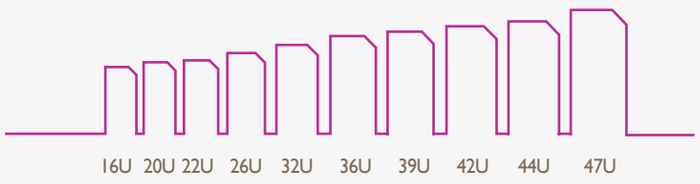
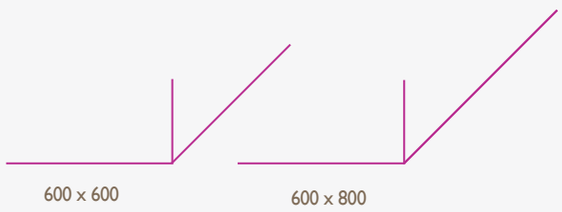
Universal Line free standing

- Provides unique features for system designers, installers and network managers.
- Suitable for office, equipment room and cabling closet installations
- Exceptionally rugged and strong
- Highly cost-effective and assembly-friendly solutions for numerous applications
- Multiple cable entry points provide maximum versatility
- Delivered as assembled and side by side mounting is possible

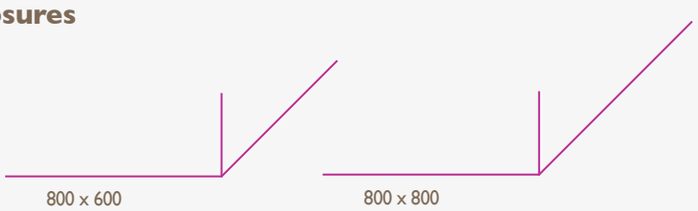
Universal Line free standing enclosures

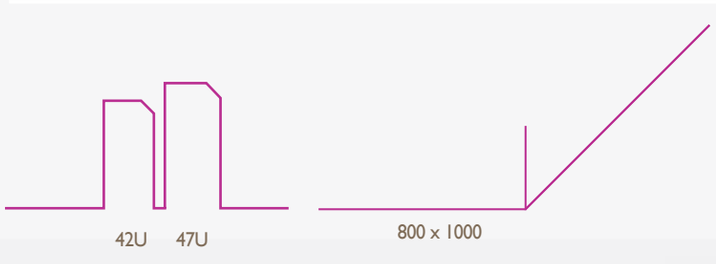
Universal Line free standing enclosures



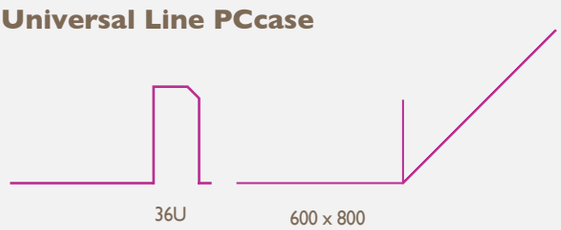


Universal Line JUMBO free standing enclosures





Universal Line PCcase



“Highly cost-effective and assembly-friendly solutions for numerous applications.”

STANDARD DIMENSIONS:
Heights: 16U, 20U, 22U, 26U 32U, 36U, 39U, 42U, 44U, 47U
Width: 600 mm
Depth: 600 mm - 800 mm

Heights: 26U, 36U, 42U, 47U
Width: 600 mm
Depth: 1000 mm

LOAD CARRYING CAPACITY: 600 kg

COLOUR:
RAL 9005 black
RAL 7035 light grey

STANDARDS:
ISO 9001: 2008 Quality Management Sytems
ISO 14001: 2004 Environmental Management System
19" mounting to IEC 297-1
EN 61587-1 mechanical structures (cabinets for electronic equipments)
Overall cabinet dimensions to IEC 297-2

KEY FEATURES

• The Universal Line free standing cabinets suitable for office, equipment room, housing server and cabling closet installations. Attention to styling with attractive colours black RAL 9005 and light grey RAL 7035 with a smoked glass door reinforced with vertical left and right metal frames mean that cabinets can be deployed in the most demanding of office environments when looks really matter.

• However, Universal Line are an exceptionally rugged and strong cabinet enabling it to be used for all application.

• Front door frames are available with decorative stripe as orange.

• The Universal Line offers a highly cost-effective and assembly-friendly solutions for numerous applications in the field of network technology and electronics. The Universal Line is highly configurable to the end users requirements and provides unique features to benefit system designers, installers and network managers.

• Standard cabinet is completely assembled. It is being delivered as a single enclosure.

• Side by side mounting is also possible when side panels are not used; baying kits to be added.

• The rigid welded frame construction can be disassembled and assembled easily without any special tools. Thus narrow doors, staircases and elevators are no problem.

Universal Line free standing enclosures have a wide range of alternatives

EASY TO ACCESS

Front door
Features a full-length smoked and shatterproof glass door with decorative accent stripe reinforced with left/right metal frames and integral locking mechanism.

Side doors
Lockable, removable, complete with slam latches and barrel type locks.

Rear door
Lockable, removable with lock.

Secure, locking front and back doors with spring loaded hinges offer best accessibility even when connecting the cabinets. The door hinge is easily swapped from one side to the other to change the door opening way.

All giving you 4-way access to equipment. Front and rear door can be replaced that gives you flexibility for different installations.

CABLE ACCESS

Multiple cable entry points provide maximum versatility. There is a rubber edge sliding cover mechanism that protects and fix the cables. There is a brush on the rear panel that can be positioned on top or bottom (brush entry available on height of 26 U and above)

CONSTRUCTION

Rigid welded frame construction in steel sheet, rapidly disassembled with 4 screw per corner. Corner of bases have welded sockets on each corner that tightly fixed into the columns gives maximum stability.

Frames are made with 28-fold design for increased stability.

Vented Pagoda style top cover with built-in space for available top mount ventilation fan system providing protection against dust flow from the top. Besides that it cause a chimney effect to provide passive air flow via convection.

19” mounting angles (front/2ea and back/2ea) allow for flexible configuration and adjustable in depth.

C rails 3 fold 1,5 mm thickness to increase the stability of equipment .

Levelling feet is included as a standard feature.

Universal Line free standing

SELECTION STEPS FOR 600x600 mm - 600x800 mm

STEPS TO SELECT RIGHT FREE STANDING ENCLOSURE

In addition to Estap product part numbers, the options mentioned at the next page is to supply the right definition to meet your requirements.

Each wall mounted and free standing enclosure section on the catalogue, has a "Main part number structure" and "Options" sections.

The below example explains how to select the right options for your needs.

The product part number has the below structure:

Product range name + U height (HHU) + Widht&Depth (WD)

The product options have the below structure:

Colour option (MX) + Front door option (FX) + Rear door option (RX)

HOW TO SELECT THE OPTIONS

Step 1
Please choose product part number.

For example: **CKR42U66**

Step 2
Please choose the colour from the table and place it after the part number.

For example: **CKR42U66 - M02** (MX=Look at the MX colour options on the next page)

Step 3
Please choose the front door from the table and place it after **MX** colour.

For example: **CKR42U66 - M02 - F01** (FX= look at the FX front door options on the next page)

Step 4
Please choose the rear door from the table and place it after **FX** front door option.

For example: **CKR42U66 - M02 - F01 - R02** (RX= look at the RX rear door options on the next page)

MAIN PART NUMBER STRUCTURE

CKR - HHU - WD

Product range Universal Line		U height		Width & Depth
CKR	+	HHU	+	WD
CKR		16U		
		20U		
		22U		
		26U		
		32U		66
		36U		68
		39U		
		42U		
		44U		
		47U		

CKR : Universal Line free standing product range
HHU : "U" height
WD : Width and depth

OPTIONS

MX - FX - RX**

Colour options		Front door options		Rear door options
MX	+	FX	+	RX
M01		F01*		R01
M02		F02		R02
		F03		
		F04		

MX : Colour options
M01= RAL 9005 black
M02= RAL 7035 light grey

FX : Front door options
F01*= Single opening shatter proof glass door with left and right metal frame slotted, single point handled locking
F02= Single opening shatter proof glass door with complete metal frame slotted, single point handled locking
F03= Single opening solid metal door, single point handled locking
F04= Single opening %63 perforated door with complete metal frame slotted, single point handled locking

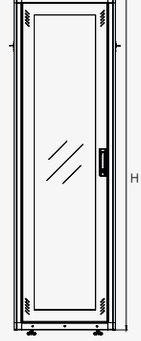
RX** : Rear door options
R01= Single opening solid metal rear door with barrel type single point lock unit for 22U and below
R02= Single opening solid metal rear door with barrel type single point lock unit with brushed cable entry, for 26U and above

FX
Front door options

F01*

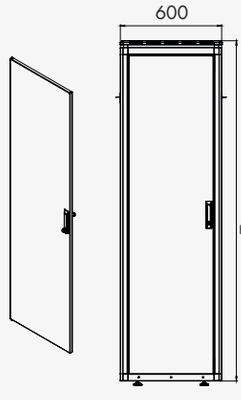
Front view

F02



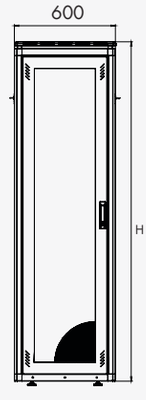
Front view

F03



Front view

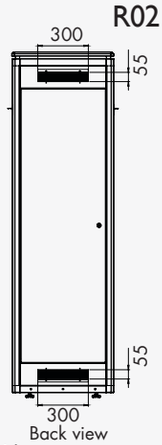
F04



Front view

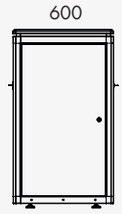
RX**
Rear door options

R02



Back view

R01



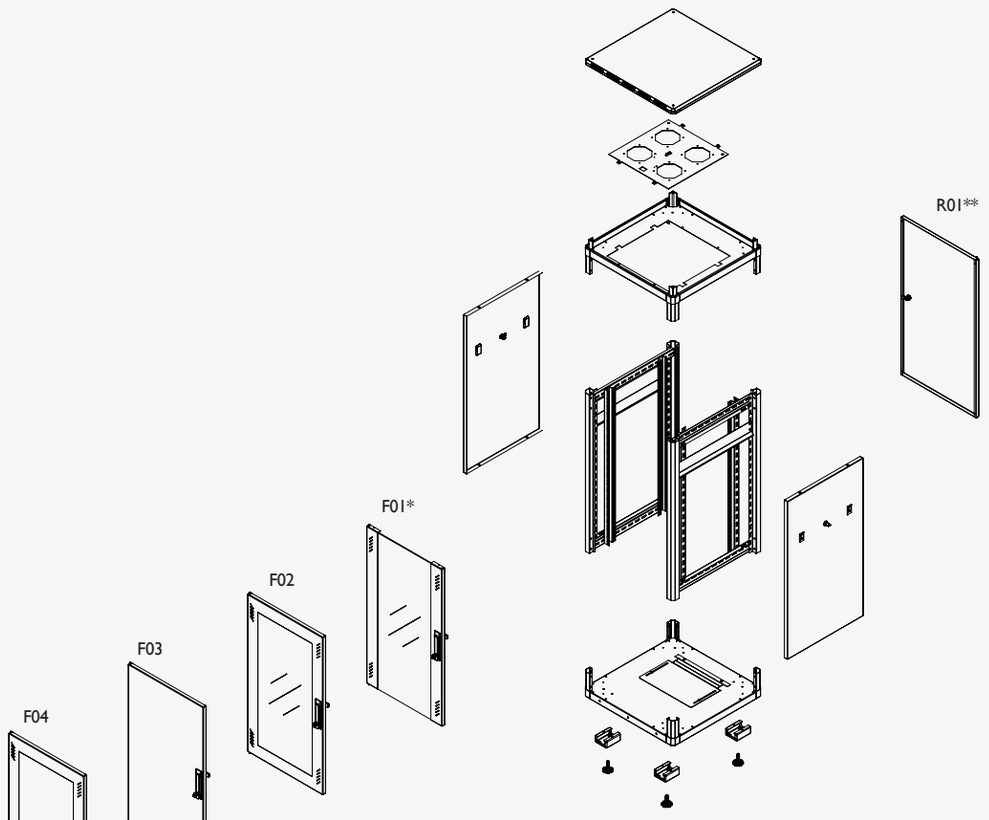
Back view

H= Enclosure height

* F01 is the standard front door.
** RX - R01 is standard rear door for 22U and below, It is optional door for 26U and above
R02 is standard rear door for 26U and above with 2 brushed cable access part

Universal Line free standing

TECHNICAL DRAWINGS FOR 600x600 mm - 16U/20U/22U



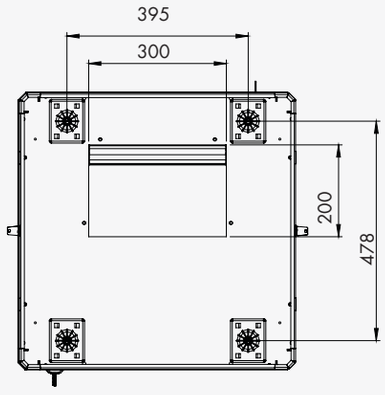
Exploded view

Universal Line free standing cabinets 19" 600 x 600 mm

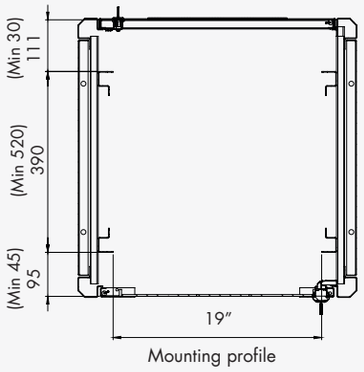
Part number	Product definition (mm)	U Size	Width: overall (mm)	Depth: overall (mm)	Depth: max mounting profile (mm)	Height: vertical mounting profile (mm)	Height: without levelling feet (mm)	Height: with levelling feet (mm)	Height: with casters (mm)
CKR16U66	16U 600x600	16	600	600	390	715	865	880	945
CKR20U66	20U 600x600	20	600	600	390	890	1042	1057	1122
CKR22U66	22U 600x600	22	600	600	390	980	1131	1146	1211

* F01 is the standard front door.

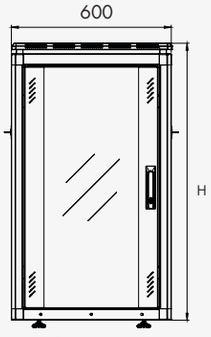
** R01 is the standard rear door for 22U and below



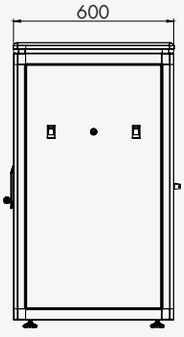
Bottom view



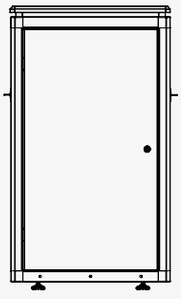
Mounting profile

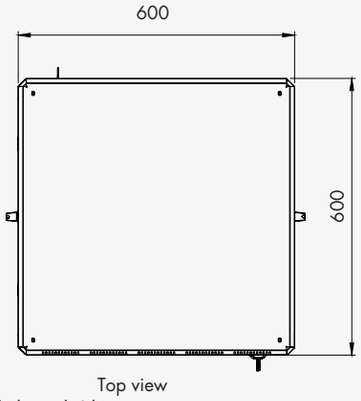


Front view

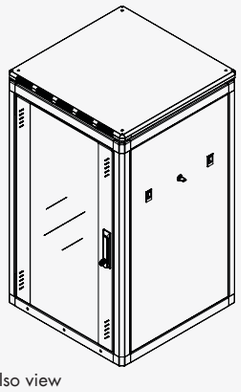


Side view

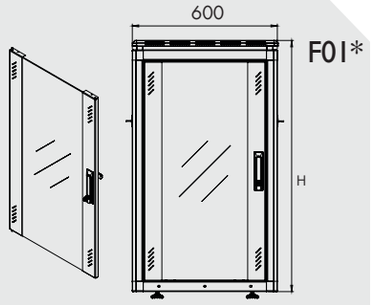

Back view



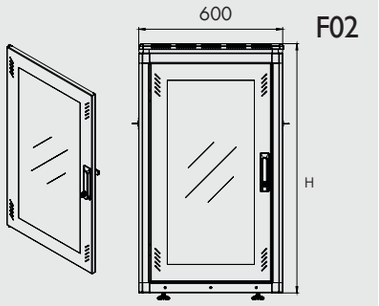
Top view


Iso view

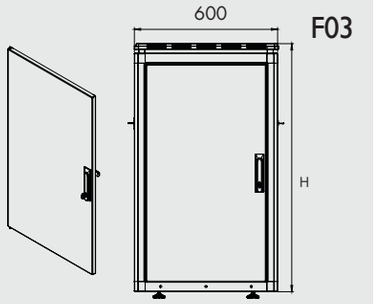
H= Enclosure height



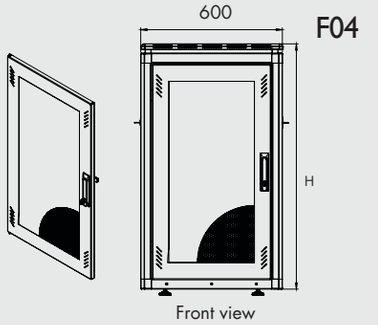
Front view



Front view



Front view

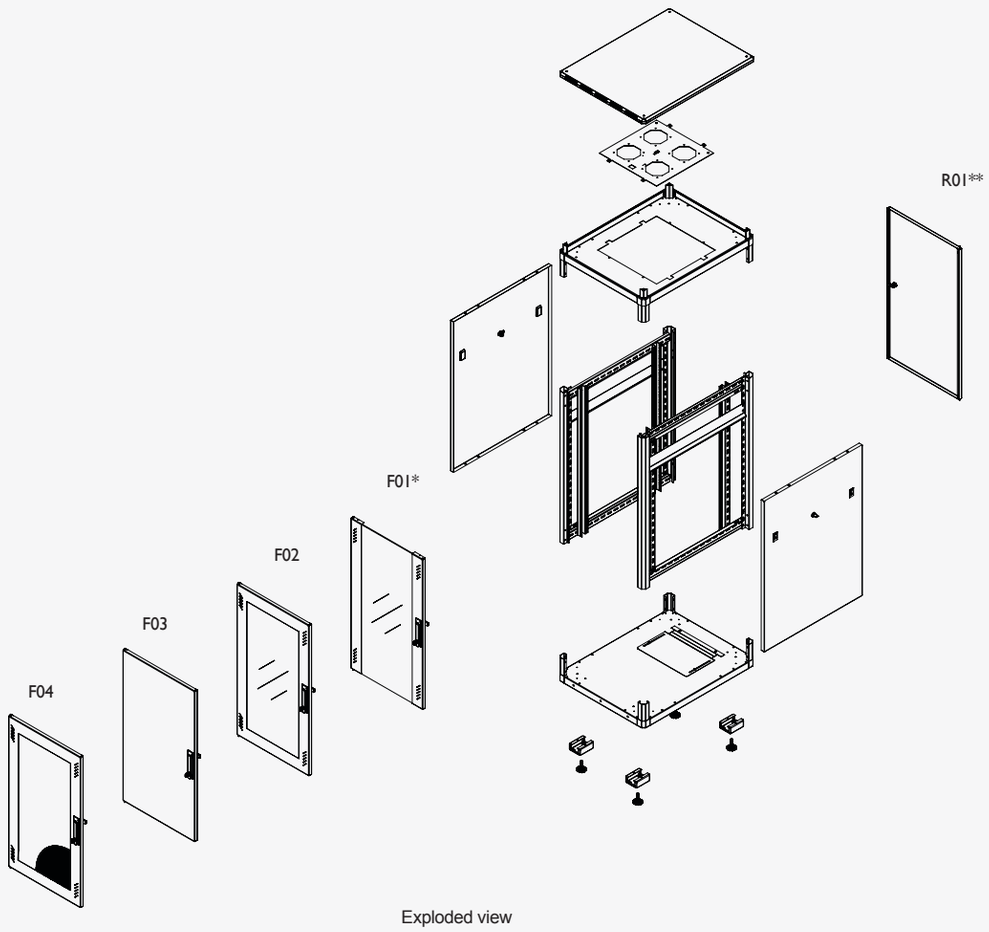


Front view

* F01 is the standard front door.

Universal Line free standing

TECHNICAL DRAWINGS FOR 600x800 mm - 16U/20U/22U



Exploded view

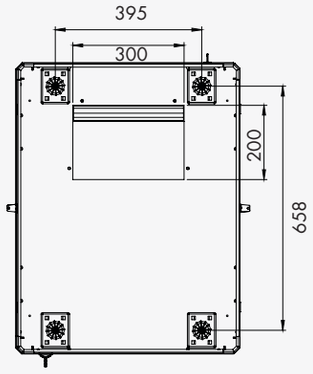
Universal Line free standing cabinets 19" 600 x 800 mm

Part number	Product definition (mm)	U Size	Width: overall (mm)	Depth: overall (mm)	Depth: max mounting profile (mm)	Height: vertical mounting profile (mm)	Height: without levelling feet (mm)	Height: with levelling feet (mm)	Height: with casters (mm)
CKR16U68	16U 600x800	16	600	780	555	715	865	880	945
CKR20U68	20U 600x800	20	600	780	555	890	1042	1057	1122
CKR22U68	22U 600x800	22	600	780	555	980	1131	1146	1211

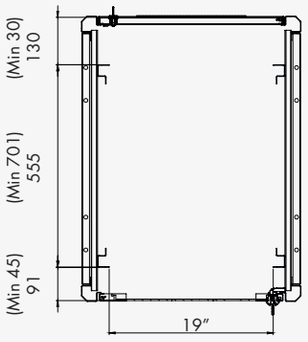
* F01 is the standard front door.

** R01 is the standard rear door for 22U and below

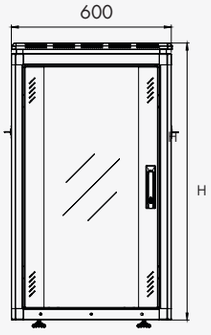
TECHNICAL DRAWINGS FOR 600x800 mm - 16U/20U/22U



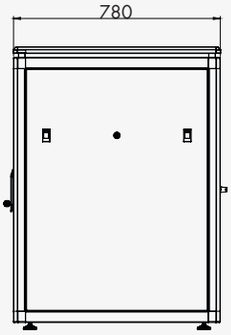
Bottom view



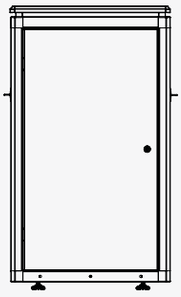
Mounting profile



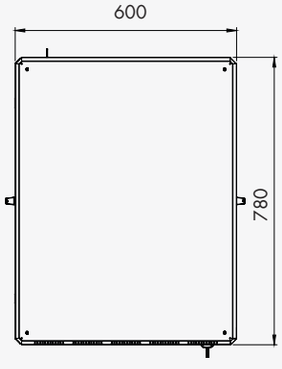
Front view



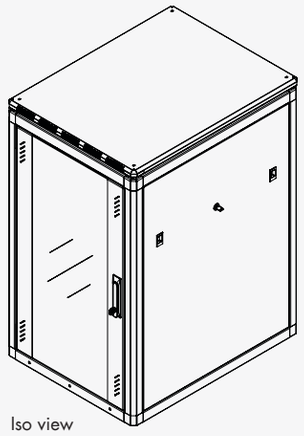
Side view



Back view

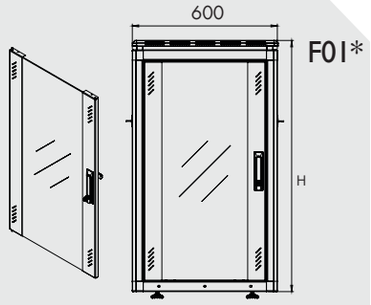


Top view

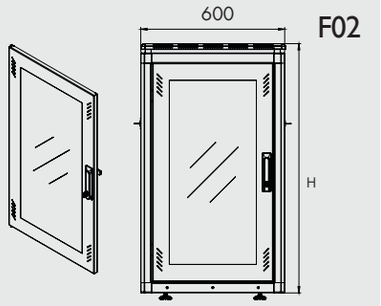


Iso view

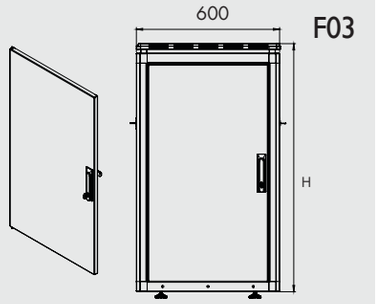
H= Enclosure height



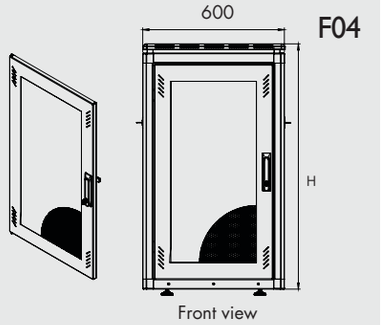
Front view



Front view



Front view

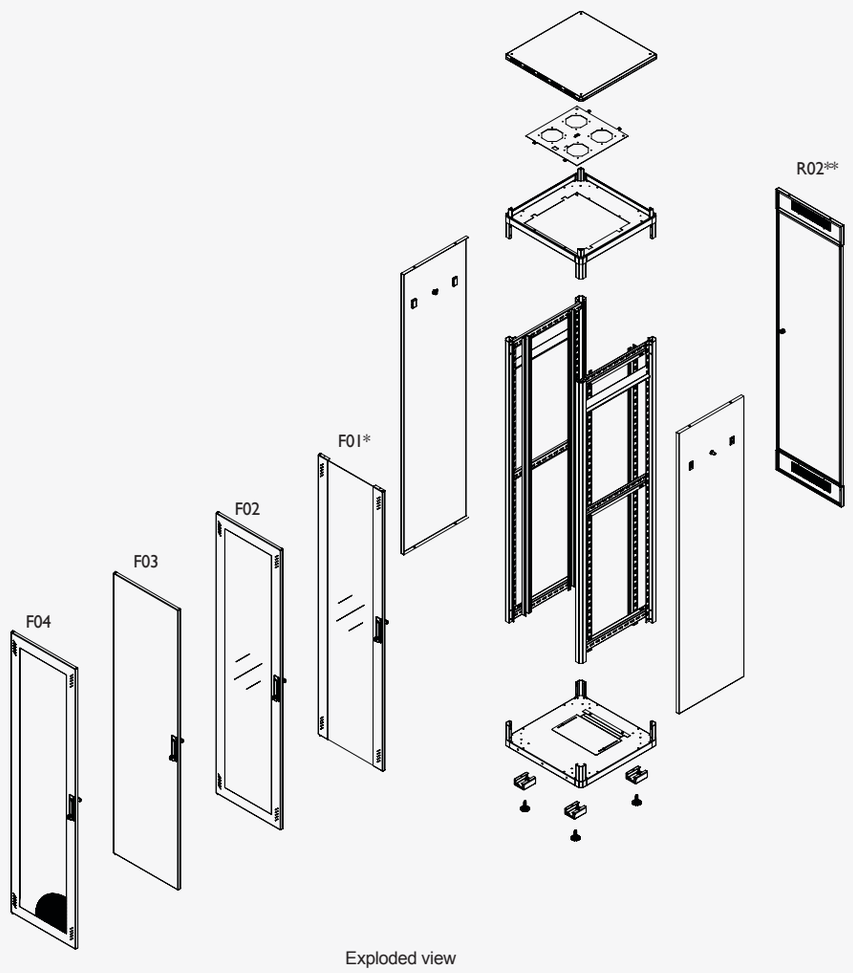


Front view

* F01 is the standard front door.

Universal Line free standing

TECHNICAL DRAWINGS FOR 600x600 mm - 26U/32U/36U/39U/42U/44U/47U



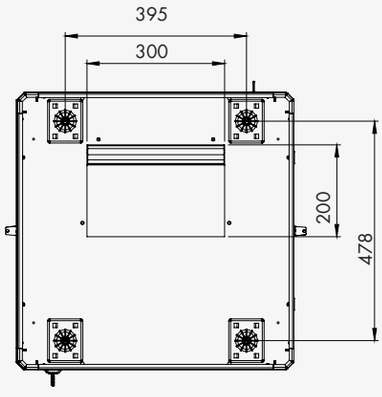
Exploded view

Universal Line free standing cabinets 19" 600 x 600 mm

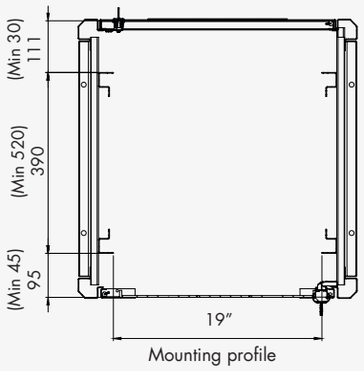
Part number	Product definition (mm)	U Size	Width: overall (mm)	Depth: overall (mm)	Depth: max mounting profile (mm)	Height: vertical mounting profile (mm)	Height: without levelling feet (mm)	Height: with levelling feet (mm)	Height: with casters (mm)
CKR26U66	26U 600x600	26	600	600	390	1160	1309	1324	1389
CKR32U66	32U 600x600	32	600	600	390	1422	1576	1591	1656
CKR36U66	36U 600x600	36	600	600	390	1603	1754	1769	1834
CKR39U66	39U 600x600	39	600	600	390	1735	1887	1902	1967
CKR42U66	42U 600x600	42	600	600	390	1868	2021	2036	2101
CKR44U66	44U 600x600	44	600	600	390	1960	2110	2125	2190
CKR47U66	47U 600x600	47	600	600	390	2093	2244	2259	2324

* F01 is the standard front door.

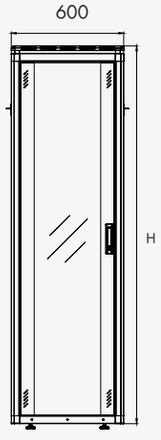
** R02 is the standard rear door for 26U and above.



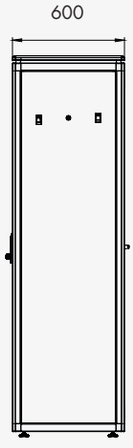
Bottom view



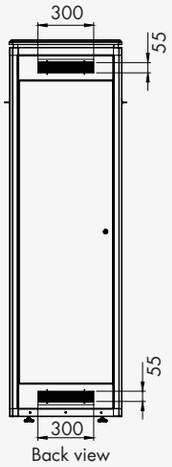
Mounting profile



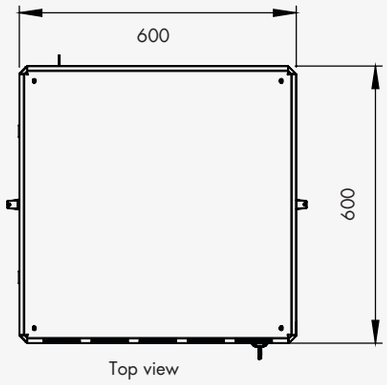
Front view



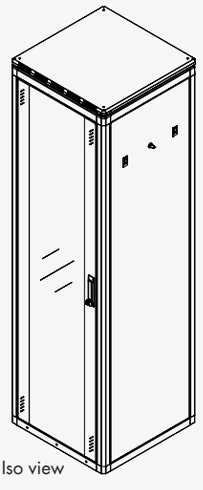
Side view



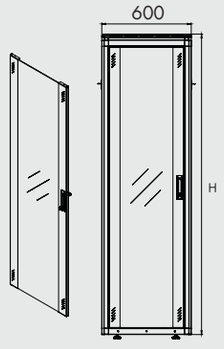
Back view



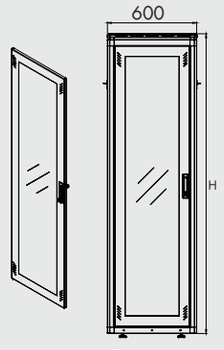
Top view


Iso view

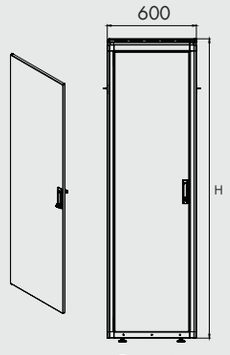
H= Enclosure height



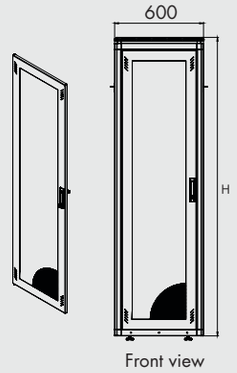
F01*
Front view



F02
Front view



F03
Front view

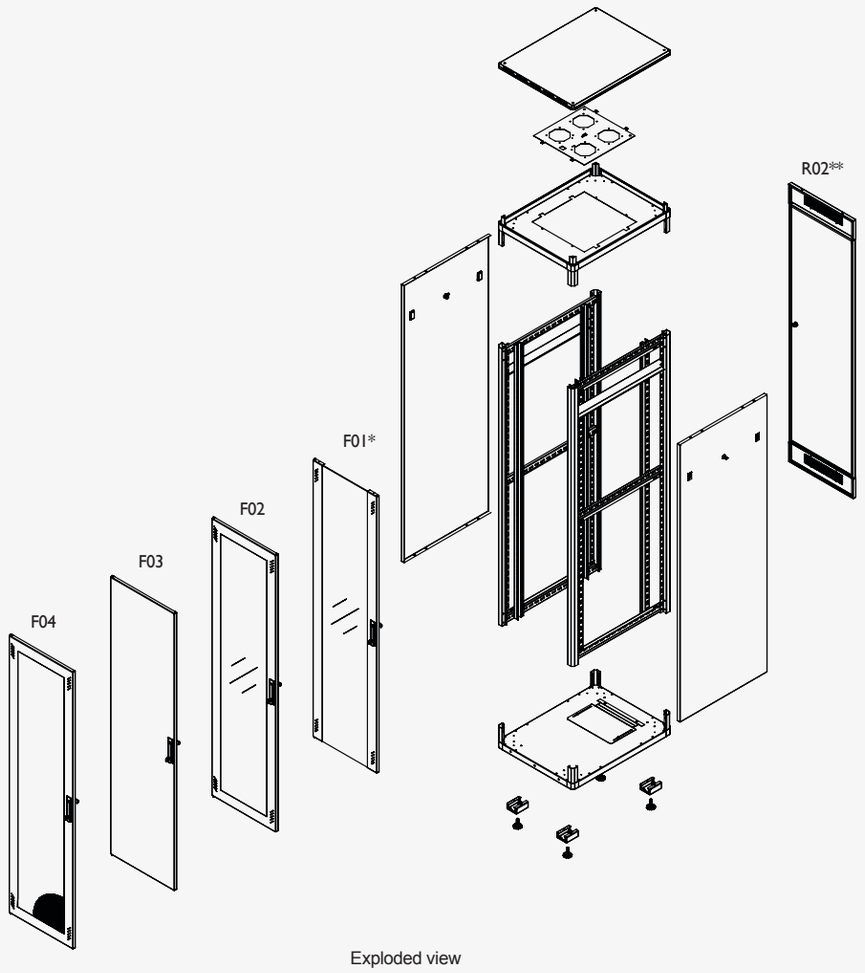


F04
Front view

* F01 is the standard front door.

Universal Line free standing

TECHNICAL DRAWINGS FOR 600x800 mm - 26U/32U/36U/39U/42U/44U/47U



Exploded view

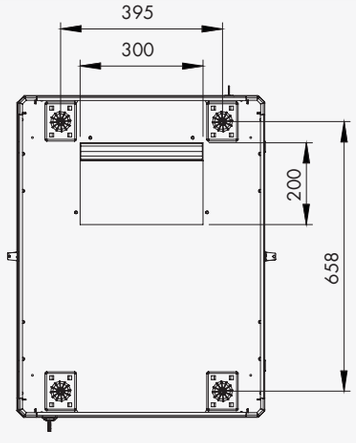
Universal Line free standing cabinets 19" 600 x 800 mm

Part number	Product definition (mm)	U Size	Width: overall (mm)	Depth: overall (mm)	Depth: max mounting profile (mm)	Height: vertical mounting profile (mm)	Height: without levelling feet (mm)	Height: with levelling feet (mm)	Height: with casters (mm)
CKR26U68	26U 600x800	26	600	780	555	1160	1309	1324	1389
CKR32U68	32U 600x800	32	600	780	555	1422	1576	1591	1656
CKR36U68	36U 600x800	36	600	780	555	1603	1754	1769	1834
CKR39U68	39U 600x800	39	600	780	555	1735	1887	1902	1967
CKR42U68	42U 600x800	42	600	780	555	1868	2021	2036	2101
CKR44U68	44U 600x800	44	600	780	555	1960	2110	2125	2190
CKR47U68	47U 600x800	47	600	780	555	2093	2244	2259	2324

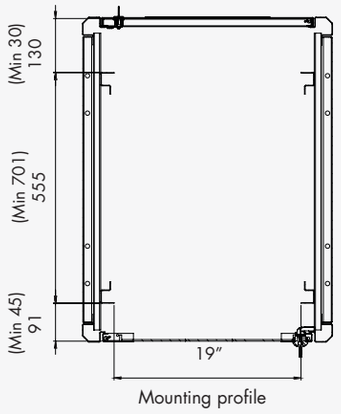
* F01 is the standard front door.

** R02 is the standard rear door for 26U and above.

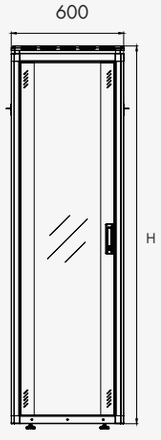
TECHNICAL DRAWINGS FOR 600x800 mm - 26U/32U/36U/39U/42U/44U/47U



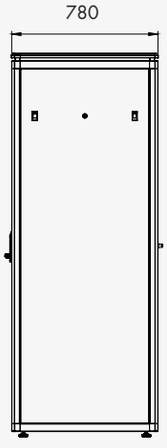
Bottom view



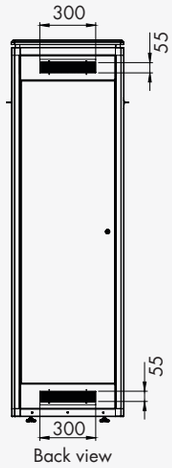
Mounting profile



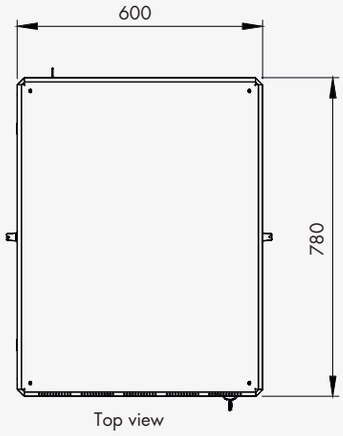
Front view



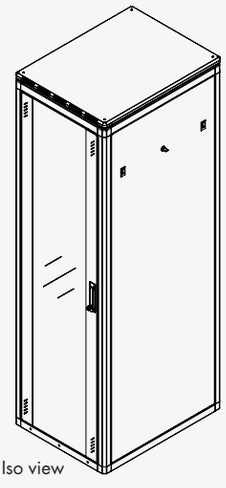
Side view



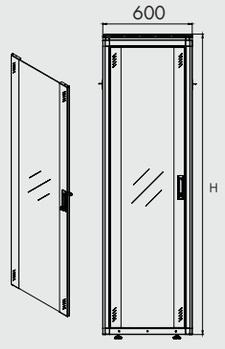
Back view



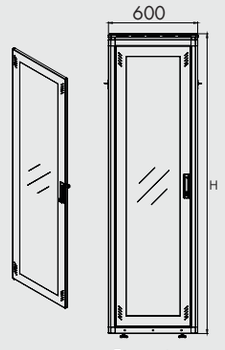
Top view


Iso view

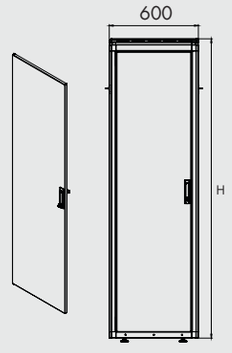
H= Enclosure height



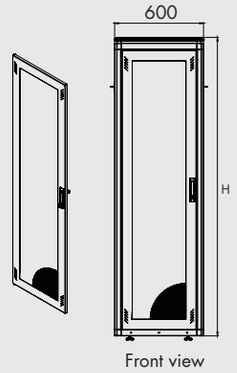
F01*
Front view



F02
Front view



F03
Front view



F04
Front view

* F01 is the standard front door.

Universal Line free standing

SELECTION STEPS FOR 600x1000 mm

STEPS TO SELECT RIGHT FREE STANDING ENCLOSURE

In addition to Estap product part numbers, the options mentioned at the next page is to supply the right definition to meet your requirements.

Each wall mounted and free standing enclosure section on the catalogue, has a "Main part number structure" and "Options" sections.

The below example explains how to select the right options for your needs.

The product part number has the below structure:

Product range name + U height (HHU) + Widht&Depth (WD)

The product options have the below structure:

Colour option (MX) + Front door option (FX) + Rear door option (RX)

HOW TO SELECT THE OPTIONS

Step 1
Please choose product part number.

For example: **CKR42U6100**

Step 2
Please choose the colour from the table and place it after the part number.

For example: **CKR42U6100 - M02** (MX=Look at the MX colour options on the next page)

Step 3
Please choose the front door from the table and place it after **MX** colour.

For example: **CKR42U6100 - M02 - F01** (FX= look at the FX front door options on the next page)

Step 4
Please choose the rear door from the table and place it after **FX** front door option.

For example: **CKR42U6100 - M02 - F01 - R02** (RX= look at the RX rear door options on the next page)

MAIN PART NUMBER STRUCTURE

CKR - HHU - WD

Product range Universal Line		U height		Width & Depth
CKR	+	HHU	+	WD
CKR		26U		6100
		36U		
		42U		
		47U		

CKR : Universal Line free standing product range
HHU : U height
WD : Width and depth

OPTIONS

MX - FX - RX

Colour options		Front door options		Rear door options
MX	+	FX	+	RX
M01		F05*		R01
M02		F06		R02*
		F07		R03
		F08		F04

MX : Colour options
M01= RAL 9005 black M02= RAL 7035 light grey

FX : Front door options
F05*= Single opening shatter proof glass door with left and right metal frame slotted, single point handled locking
F06= Single opening shatter proof glass door with complete metal frame slotted, single point handled locking
F07= Single opening solid metal door, single point handled locking
F08= Single opening %63 perforated door with complete metal frame slotted, single point handled locking

RX : Rear door options
R01= Single opening solid metal rear door with barrel type, single point lock unit
R02*= Single opening solid metal rear door with barrel type, single point lock unit, brushed cable entry on top and bottom
R03= Double opening % 63 perforated rear door with complete frame, 3 point handled locking
F04= Single opening %63 perforated door with complete metal frame slotted, single point handled locking

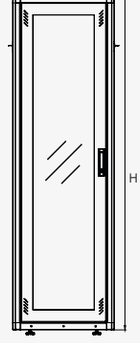
* F05 and R02 are the standart doors

FX
Front door options

F05*

Front view

F06

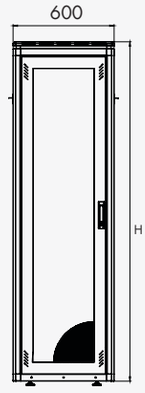


Front view

F07

Front view

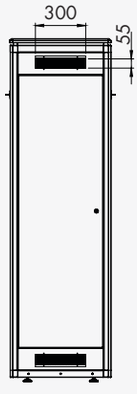
F08



Front view

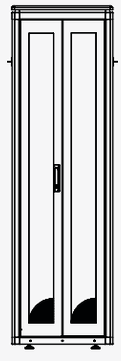
RX
Rear door options

R02*



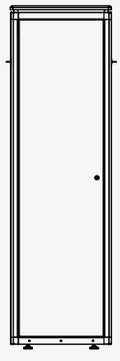
Back view

R03



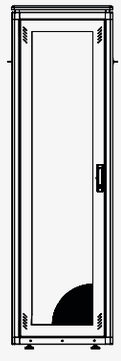
Back view

R01



Back view

F04

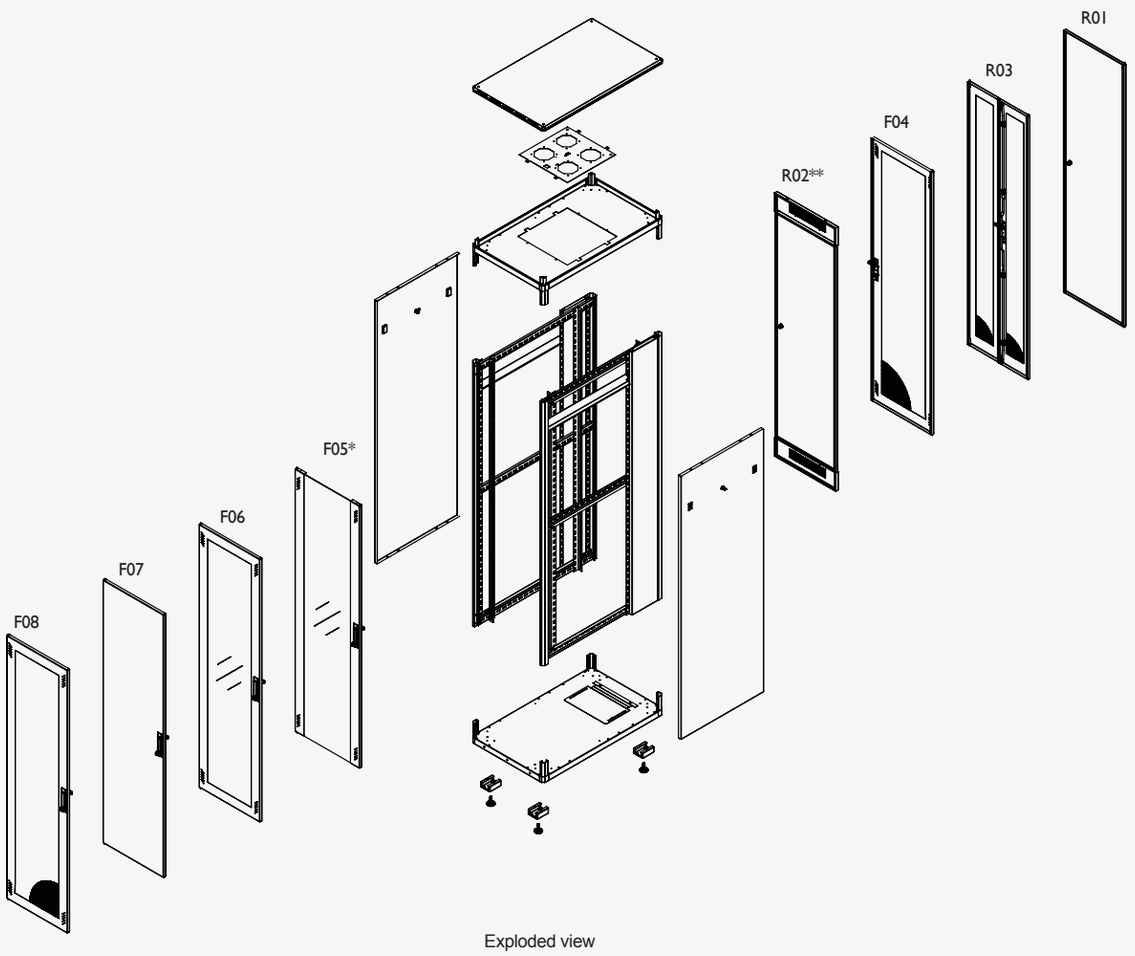


Back view

H= Enclosure height

Universal Line free standing

TECHNICAL DRAWINGS FOR 600x1000 mm - 26U/36U/42U/47U



Exploded view

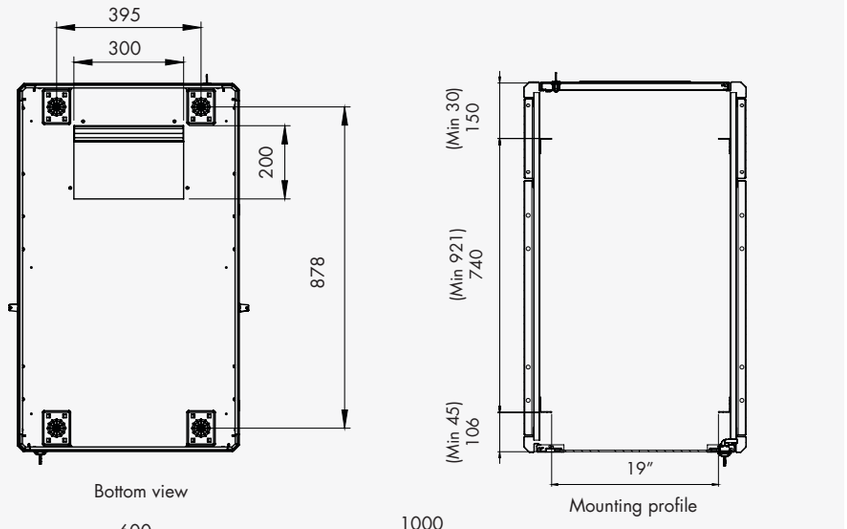
Universal Line free standing cabinets 19" 600 x 1000 mm

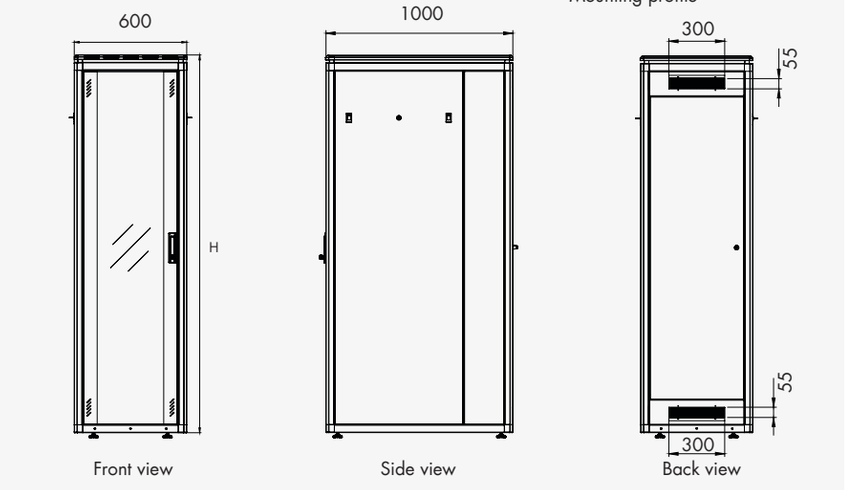
Part number	Product definition (mm)	U Size	Width: overall (mm)	Depth: overall (mm)	Depth: max mounting profile (mm)	Height: vertical mounting profile (mm)	Height: without levelling feet (mm)	Height: with levelling feet (mm)	Height: with casters (mm)
CKR26U6100	26U 600x1000	26	600	1000	740	1175	1309	1324	1389
CKR36U6100	36U 600x1000	36	600	1000	740	1620	1754	1769	1834
CKR42U6100	42U 600x1000	42	600	1000	740	1889	2021	2036	2101
CKR47U6100	47U 600x1000	47	600	1000	740	2110	2244	2259	2324

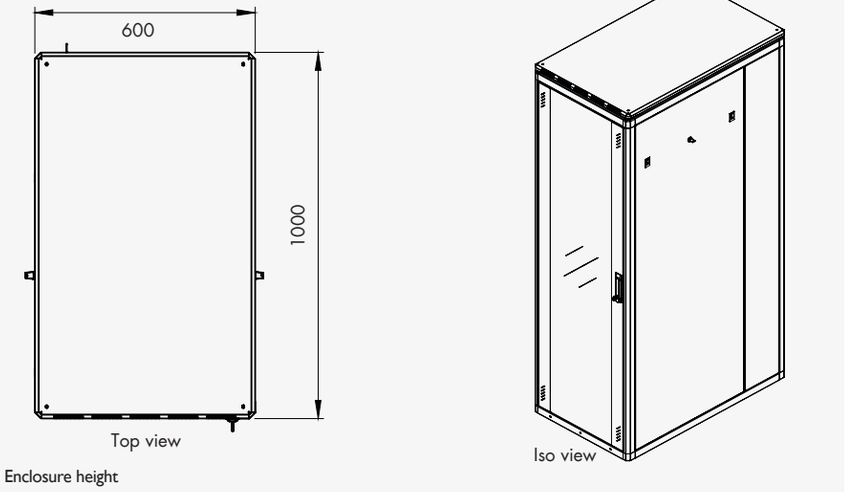
* F05 is the standard front door.

** R02 is the standard rear door for 26U and above.

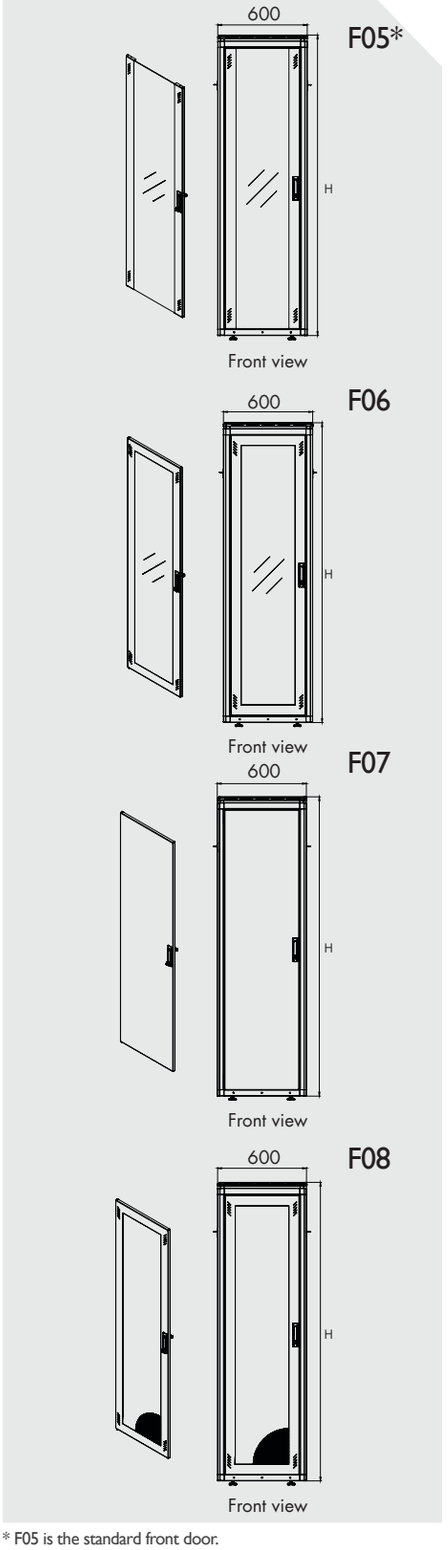
TECHNICAL DRAWINGS FOR 600x1000 mm - 26U/36U/42U/47U







H= Enclosure height



* F05 is the standard front door.

Universal Line free standing

TECHNICAL SPECIFICATIONS

TESTS AND CERTIFICATIONS

Environment
EN61587-1 / 4.2, IEC60068-2, IEC60068-2-2, IEC60068-2-30, IEC60917 and IEC60297

Industrial environment
EN61587-1 / 4.3, IEC60068-2-42, IEC60068-2-43 and IEC60068-2-49, IEC60068-2-I, IEC60917 and IEC60297

Statical mechanical structure load test
EN61587-1 / 5.2.1, IEC60917 and IEC60297

Statical mechanical structure stability
EN61587-1 / 5.2.2, IEC60917 and IEC60297

Dynamic load, vibration and mechanical stroke
EN61587-1 / 5.3.1, EN61587- / 5.3.3, IEC60917, C60297, IEC62208

Grounding continuity
EN61587-1 / 6.2, IEC60917 and IEC60297

Fire and flame resistance
EN61587-1 / 6.3, IEC60917 and IEC60297

Corrosion
ISO9227 and ASTM B 117-85, IEC60917 and IEC60297

IP protection degree
IP20 accordingly EN61587-1 / 6.4, IEC60529, IEC60917 and IEC60297

Transportation
ETS300019-1-2 Class2.3

Storage
ETS300019-1-1 Class1.2

Security
EN60950_LVD

PURCHASED PRODUCT CERTIFICATIONS

Sheet steel
DIN EN 10130 – 99 Ereğli DC-01 6112 , 7122, RoHS

Electrostatic powder coating
ISO 9001, ISO 2178, ISO 2813, ISO 6272, ISO 8130-5, ISO 8130-3, RoHS

Fan
ISO 9001, CE (89/336/EEC EMC, 73/23/EEC LVD), RoHS

Glass
ISO 9001, EN 12150 – 1: 2000 tempered and secure

Fixings
DIN 7985, DIN 965, DIN 7981, DIN 934, DIN 985, DIN 933, RoHS

Castors
TS EN 12530, TS EN 12532, RoHS

Lock
DIN 1743, DIN 53571, RoHS

KEY FEATURES

Main profile (framework) has a structure that would increase mechanical resistance with aesthetic appearance, folded with an angle of 45 degree and consist of 7 bending for each profile. Totally 28 fold desing creates the framework stability. Tested to provide (x, y, z) axis resistance that meets EN 61587-1/5.2.1 and 5.2.2 and external impact resistance that meets EN 61587-1/5.3.3.

Bottom and upper case have a structure that would increase resistance and strength of cabinet by mono-block bended, welded and profile-interlocking design. Profiles are manufactured to interlock bottom and upper case with screws. Cable access at bottom case has a sliding type blanking access plate that would block dust inlet.

A rubber edge on the cable access plate and thanks to its sliding structure, it is capable of fixing the cables and allowing the cables to be placed into cabinet without any damage.

Rear door is manufactured with 2 cable access part top/bottom with brush for 26 U and above sizes*.

Rear door in standard configuration is single opening door which is removable and lockable. For options please see the related drawings and technical charts in pages 33-43-49-55.

Side panels have a structure that can be opened and removed with slam latch and key. It is lockable and removable.

Front doors are with framed glass structure which is tempered, anti-static, secure and smoked glass (4 mm thickness) with decorative stripe, according to EN 12150-1:2000 standard. Front door in standard configuration has left and right metal frame structure with high density polyurethane adhesive and screw. For front door options please see the related drawing and technical charts in pages 33-43-49-55.

Front door can be opened up to 135 degrees, removable and lockable with handle type locking unit.

Pagoda style vented top panel with a dedicated space of ventilation fan module system allows easy installation of max. 4 fans.

19"(inch) mounting angles (2ea. in front and 2ea. in rear) are part of cabinet interior configuration and adjustable in depth.

Baying is possible for side by side applications. Levelling feet is standard in shipping configuration. The cabinet meets EN 61587-1, IEC 60917, IEC 60297 standards, RoHS compliancy, Gost and TSE certified.

Cabinets are manufactured in our factory which has ISO 9001: 2008 Quality Assurance System and our responsibility for environment with ISO 14001:2004 Environmental Management System.

* Please see related drawings to define the difference of rear door design between up to 26U and above 26U

Custom number
85380000 / 85381000 / 853710990019
Shipping structure
Assembled
Mounting type
Stand alone
Load carrying capacity (kg)
600
Certification on product
TSE, Gost
Surface finish
Electrostatic powder coated c/with surface treatment , 80 +/ - 5 micron paint thickness and tested according to IEC 60068-2-1,2-2, 2-30,2-42, 2-43, 2-49, 2-11

STANDARD PRODUCT

Standard colour
RAL 7035, RAL 9005
Standard stripe colour
Orange
IP protection standard
IP20

FRONT DOOR

Shatterproof glass with left and right metal frame
Glass
4 mm full-lenght smoked, shatterproof, tempered, secure
Front door construction
Single door opening with handled lock
Front door lock
Handle type, single point locking
Adhesive material
High density polyurethane DIN 53479, DIN 53505
Hinge system
Spring loaded
Door opening angle and swapping
135 degree, possible to swap one side to the other

SIDE PANEL

Solid metal, 1,2 mm left and right (2ea.)
Side panel construction
Lockable, removable c/with slam latches and lock
Side panel lock
Barrel type lock unit, single point + Slam latch (2ea)

REAR DOOR

Solid metal, 1,2 mm
Rear door construction
Single opening, solid metal with brushed cable entry on top and bottom.
Rear door lock
Barrel type lock unit, single point
Hinge system
Spring loaded
Door opening angle and swapping
135 degree, possible to swap one side to the other

TOP COVER

Solid metal 1,5 mm
Top cover construction
Pagoda type struction provides efficient air removal

FRAMEWORK

Top and bottom base units
Solid metal 1,5 mm
Top and bottom base units construction
Completely welded corner socket system
Uprights
Solid metal, 1,5 mm
Uprights construction
Tightly fixed into top and bottom base units 7 times folded

INTERIOR PARTS

19" mounting angles
Solid metal, 1,5 mm
3 times folded 60x600, 600x800 / 1 time folded for 600x1000
"U" marking available 2ea. at rear, 2ea. at front
Pre-configured as 19" (482,6mm)
Free space to front door approx. 90 to 100 mm depends on depth versions.
Zinc plated, passivated, 8-12 micron.
Adjustable in depth
C type support rails in depth
Solid metal, 1,5 mm
3 times folded, 2 ea. at left , 2 ea. at right up to 26U
3 ea. at left , 3 ea. at right 26U and higher

OPTIONS

For the front and rear door options, please look at pages 33-43-49-55.

! For the CUSTOMIZED PRODUCTS rather than above options, please contact with sales department.

Universal Line JUMBO free standing

SELECTION STEPS FOR 800x800 mm

STEPS TO SELECT RIGHT FREE STANDING ENCLOSURE

In addition to Estap product part numbers, the options mentioned at the next page is to supply the right definition to meet your requirements.

Each wall mounted and free standing enclosure section on the catalogue, has a "Main part number structure" and "Options" sections.

The below example explains how to select the right options for your needs.

The product part number has the below structure:

Product range name + U height (HHU) + Widht&Depth (WD)

The product options have the below structure:

Colour option (MX) + Front door option (FX) + Rear door option (RX)

HOW TO SELECT THE OPTIONS

Step 1
Please choose product part number.

For example: **CKR42U88**

Step 2
Please choose the colour from the table and place it after the part number.

For example: **CKR42U88 - M02** (MX=Look at the MX colour options on the next page)

Step 3
Please choose the front door from the table and place it after **MX** colour.

For example: **CKR42U88 - M02 - F09** (FX= look at the FX front door options on the next page)

Step 4
Please choose the rear door from the table and place it after **FX** front door option.

For example: **CKR42U88 - M02 - F09 - R06** (RX= look at the RX rear door options on the next page)

MAIN PART NUMBER STRUCTURE

CKR - HHU - WD

Product range Universal Line		U height		Width & Depth
CKR	+	HHU	+	WD
CKR		32U		86
		36U		88
		39U		
		42U		
		44U		
		47U		

CKR : Universal Line free standing product range
HHU : "U" height
WD : Width and depth

OPTIONS

MX - FX - RX

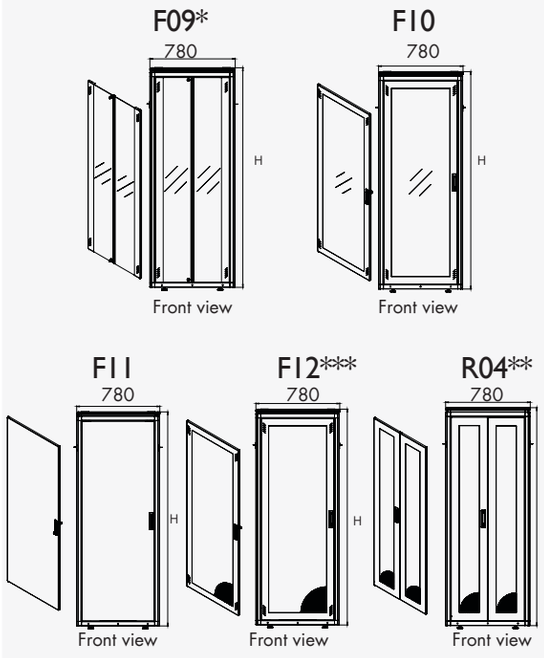
Colour options		Front door options		Rear door options
MX	+	FX	+	RX
M01		F09*		R04**
M02		F10		R05
		F11		R06*
		F12***		F12***
		R04**		

MX : Colour options
M01= RAL 9005 black M02= RAL 7035 light grey

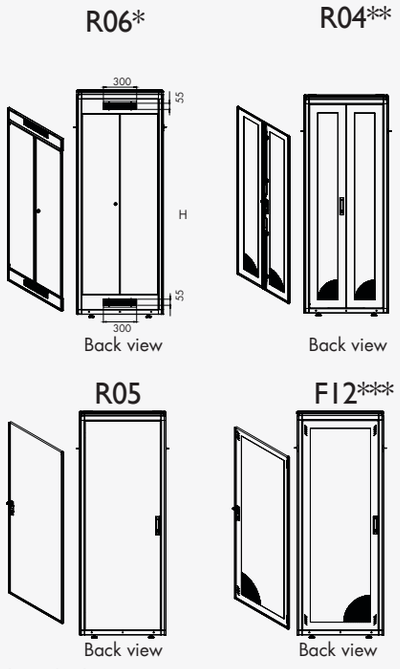
FX : Front door options
F09*= Double opening shatter proof glass door with left and right metal frame slotted, two point barrel type locking
F10= Single opening shatter proof glass door with complete metal frame slotted, single point handled locking
F11= Single opening solid metal door, single point handled locking
F12***= Single opening %63 perforated door with complete metal frame slotted, single point handled locking
R04**= Double opening %63 perfore door with complete metal frame, 3 point handled locking

RX : Rear door options
R06*= Double opening complete metal door with brushed cable entry, barrel type single point lock unit.
R04**= Double opening %63 perforated door with complete metal frame, 3 point handled locking
R05= Single opening solid metal rear door with barrel type, single point lock unit
F12***= Single opening %63 perforated door with complete metal frame slotted, single point handled locking

FX
Front door options



RX
Rear door options

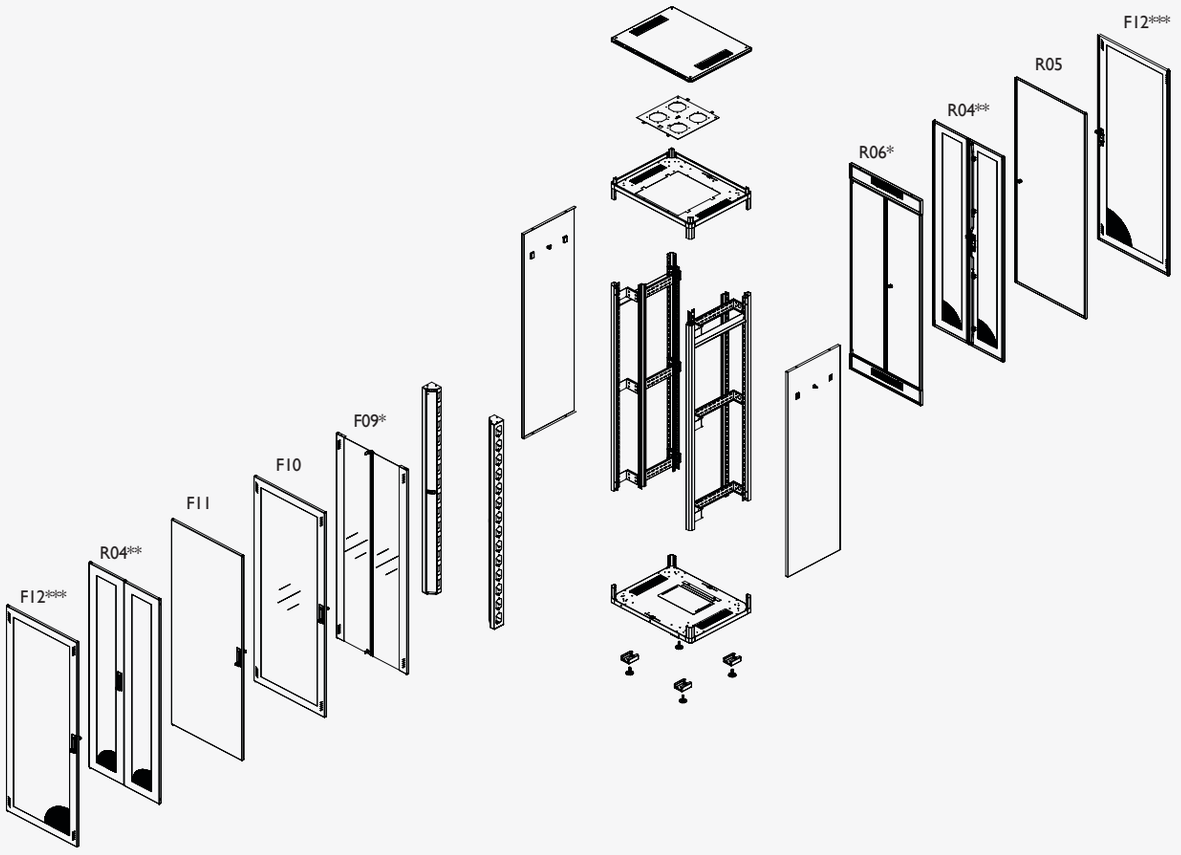


H= Enclosure height

* F09 and R06 are the standart doors
** R04 can be usable as front door as well.
*** F12 can be usable as rear door as well.

Universal Line JUMBO

TECHNICAL DRAWINGS FOR 800x600 mm - 32U/36U/39U/42U/44U/47U



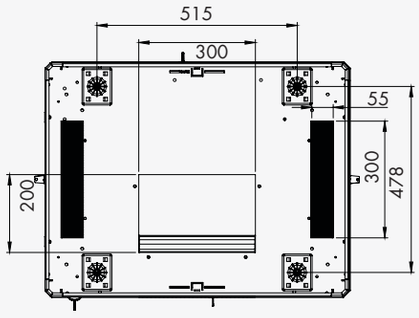
Exploded view

Universal Line JUMBO cabinets 19" 800 x 600 mm

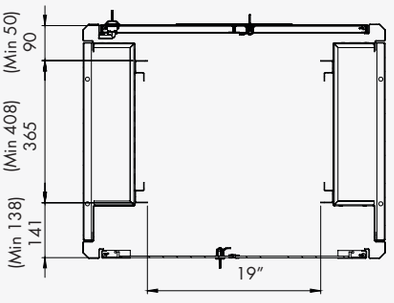
Part number	Product definition (mm)	U Size	Width: overall (mm)	Depth: overall (mm)	Depth: max mounting profile (mm)	Height: vertical mounting profile (mm)	Height: without levelling feet (mm)	Height: with levelling feet (mm)	Height: with casters (mm)
CKR32U86	32U 800x600	32	780	600	365	1422	1576	1591	1656
CKR36U86	36U 800x600	36	780	600	365	1603	1754	1769	1834
CKR39U86	39U 800x600	39	780	600	365	1735	1887	1902	1967
CKR42U86	42U 800x600	42	780	600	365	1868	2021	2036	2101
CKR44U86	44U 800x600	44	780	600	365	1960	2110	2125	2190
CKR47U86	47U 800x600	47	780	600	365	2093	2244	2259	2324

* F09 and R06 are the standard doors.
** R04 can be usable as front door as well.
*** F12 can be usable as rear door as well.

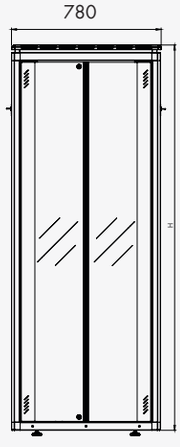
TECHNICAL DRAWINGS FOR 800x600 mm - 32U/36U/39U/42U/44U/47U



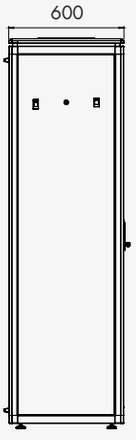
Bottom view



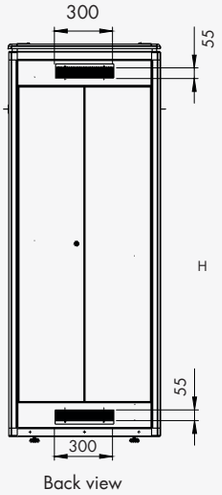
Mounting profile



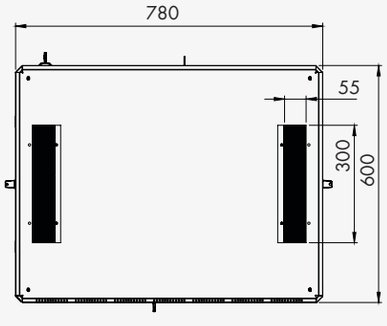
Front view



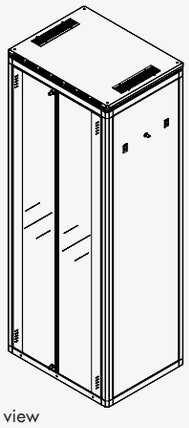
Side view



Back view

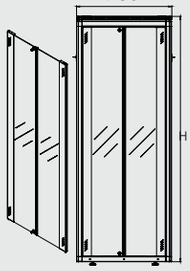


Top view


Iso view

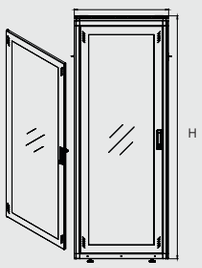
H= Enclosure height

F09*



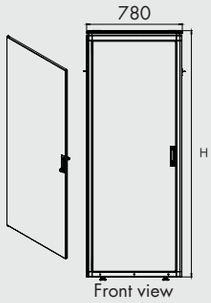
Front view

F10



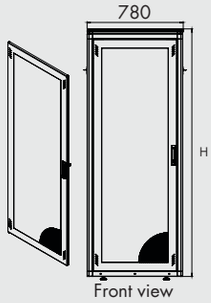
Front view

F11



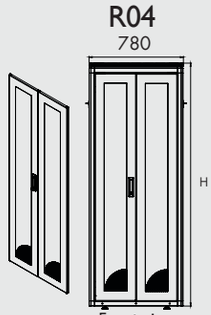
Front view

F12



Front view

R04

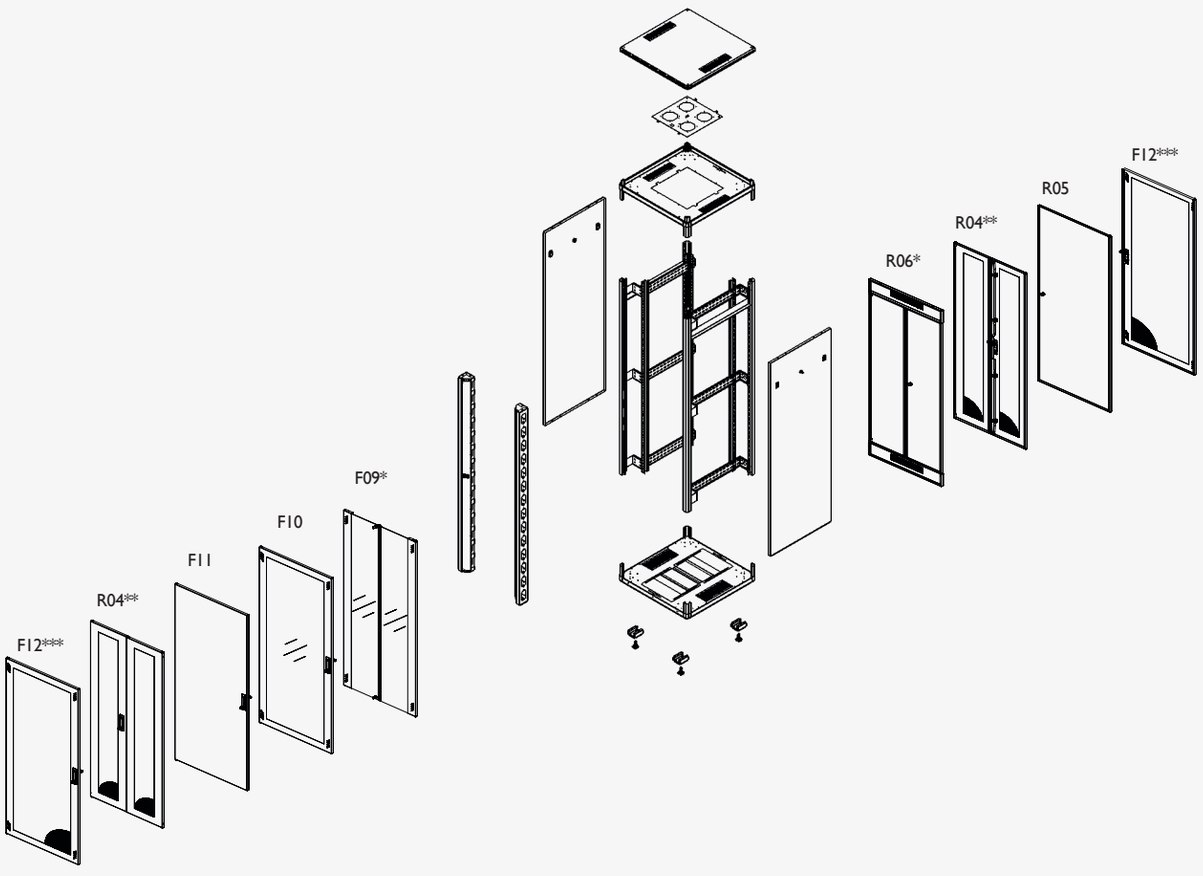


Front view

* F09 is the standart door.

Universal Line JUMBO

TECHNICAL DRAWINGS 800x800 mm - 32U/36U/39U/42U/44U/47U



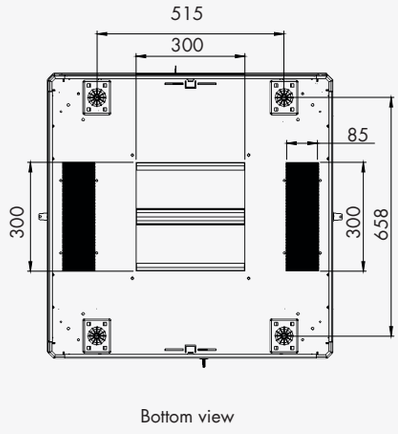
Exploded view

Universal Line JUMBO cabinets 19" 800 x 800 mm

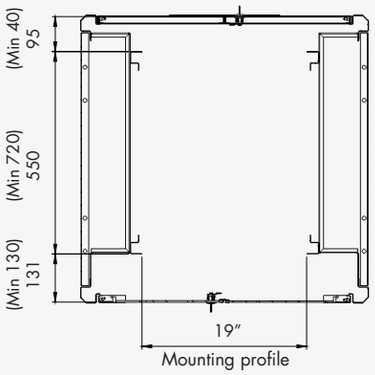
Part number	Product definition (mm)	U Size	Width: overall (mm)	Depth: overall (mm)	Depth: max mounting profile (mm)	Height: vertical mounting profile (mm)	Height: without levelling feet (mm)	Height: with levelling feet (mm)	Height: with casters (mm)
CKR32U88	32U 800x800	32	780	780	550	1422	1576	1591	1656
CKR36U88	36U 800x800	36	780	780	550	1603	1754	1769	1834
CKR39U88	39U 800x800	39	780	780	550	1735	1887	1902	1967
CKR42U88	42U 800x800	42	780	780	550	1868	2021	2036	2101
CKR44U88	44U 800x800	44	780	780	550	1960	2110	2125	2190
CKR47U88	47U 800x800	47	780	780	550	2093	2244	2259	2324

* F09 and R06 are the standard doors.
** R04 can be usable as front door as well.
*** F12 can be usable as rear door as well.

TECHNICAL DRAWINGS FOR 800x800 mm - 42U/47U

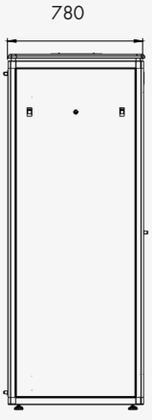


Bottom view

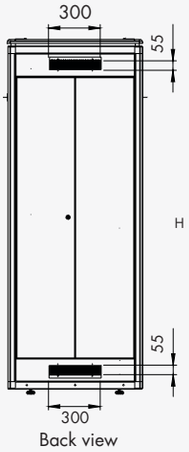


Mounting profile

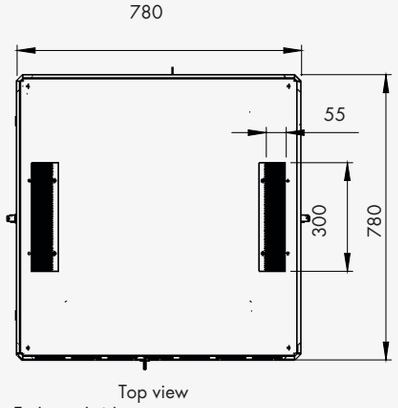
Front view



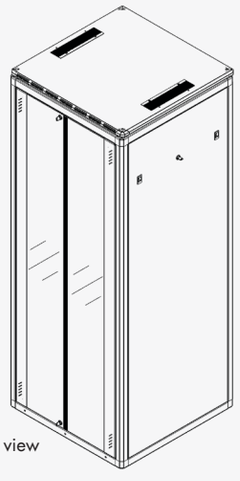
Side view



Back view

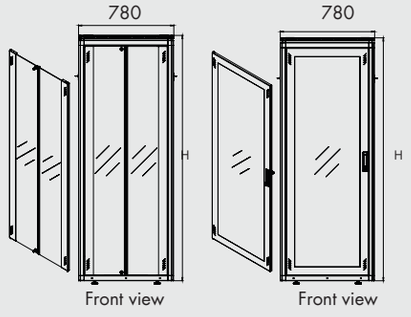


Top view


Iso view

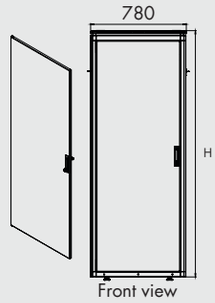
H= Enclosure height

F09* **F10**



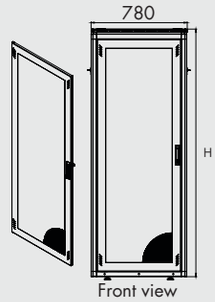
Front view Front view

F11



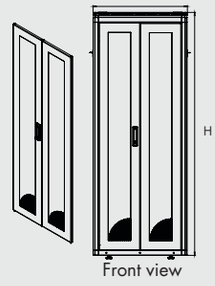
Front view

F12



Front view

R04



Front view

* F09 is the standard front door.

Universal Line JUMBO free standing

SELECTION STEPS FOR 800x1000 mm

STEPS TO SELECT RIGHT FREE STANDING ENCLOSURE

In addition to Estap product part numbers, the options mentioned at the next page is to supply the right definition to meet your requirements.

Each wall mounted and free standing enclosure section on the catalogue, has a "Main part number structure" and "Options" sections.

The below example explains how to select the right options for your needs.

The product part number has the below structure:

Product range name + U height (HHU) + Widht&Depth (WD)

The product options have the below structure:

Colour option (MX) + Front door option (FX) + Rear door option (RX)

HOW TO SELECT THE OPTIONS

Step 1
Please choose product part number.

For example: **CKR42U8100**

Step 2
Please choose the colour from the table and place it after the part number.

For example: **CKR42U8100 - M02** (MX=Look at the MX colour options on the next page)

Step 3
Please choose the front door from the table and place it after **MX** colour.

For example: **CKR42U8100 - M02 - F09** (FX= look at the FX front door options on the next page)

Step 4
Please choose the rear door from the table and place it after **FX** front door option.

For example: **CKR42U8100 - M02 - F09 - R06** (RX= look at the RX rear door options on the next page)

MAIN PART NUMBER STRUCTURE

CKR - HHU - WD

Product range Universal Line		U height		Width & Depth
CKR	+	HHU	+	WD
CKR		42U		8100
		47U		

CKR : Universal Line product range
HHU : "U" height
WD : Width and depth

OPTIONS

MX - FX - RX

Colour options		Front door options		Rear door options
MX	+	FX	+	RX
M01		F09*		R04**
M02		F10		R05
		F11		R06*
		F12		F12***
		R04**		

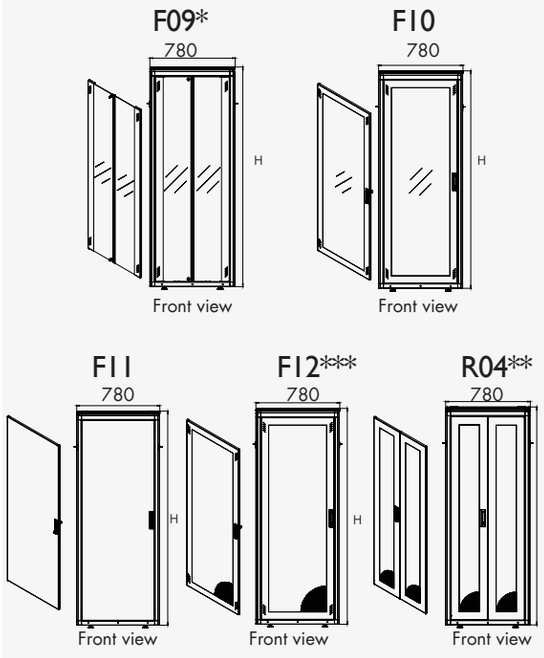
MX : Colour options
M01= RAL 9005 black M02= RAL 7035 light grey

FX : Front door options
F09*= Double opening shatter proof glass door with left and right metal frame slotted, two point barrel type locking
F10= Single opening shatter proof glass door with complete metal frame slotted, single point handled locking
F11= Single opening solid metal door, single point handled locking
F12***= Single opening %63 perforated door with complete metal frame slotted, single point handled locking
R04**= Double opening %63 perforated door with complete metal frame, 3 point handled locking

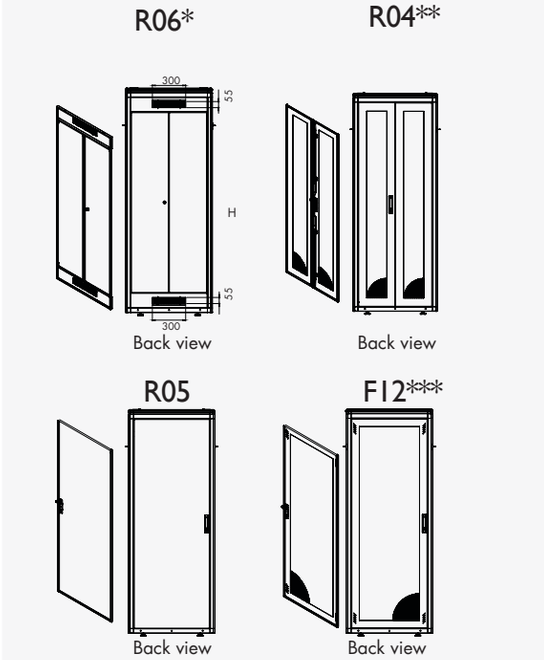
RX : Rear door options
R05= Single opening solid metal rear door with barrel type, single point lock unit
R04**= Double opening %63 perforated door with complete metal frame, 3 point handled locking
R06*= Double opening complete metal door with brushed cable entry, barrel type single point lock unit.
F12***= Single opening %63 perforated door with complete metal frame slotted, single point handled locking

* F09 and R06 are the standart doors
** R04 can be usable as front door as well.
*** F12 can be usable as rear door as well.

FX
Front door options



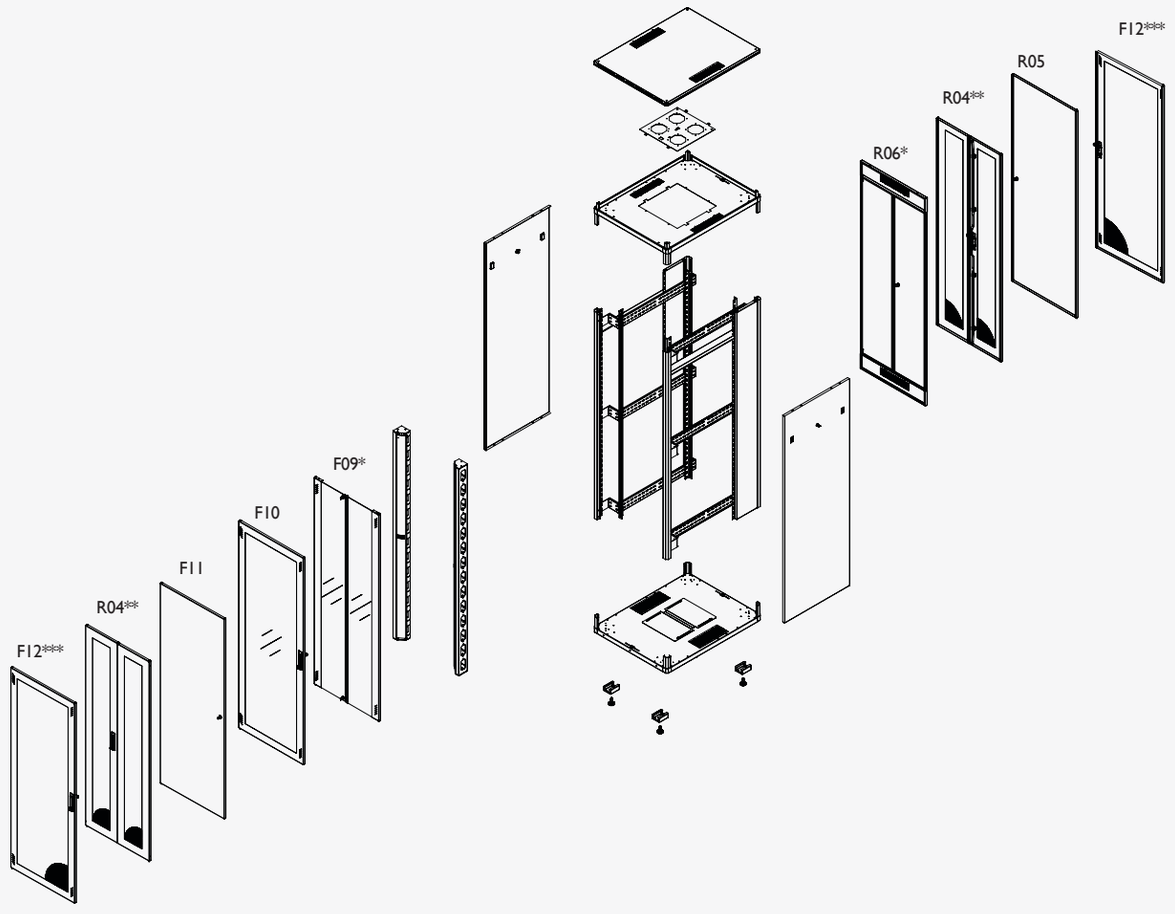
RX
Rear door options



H= Enclosure height

Universal Line JUMBO

TECHNICAL DRAWINGS FOR 800x1000 mm - 42U/47U

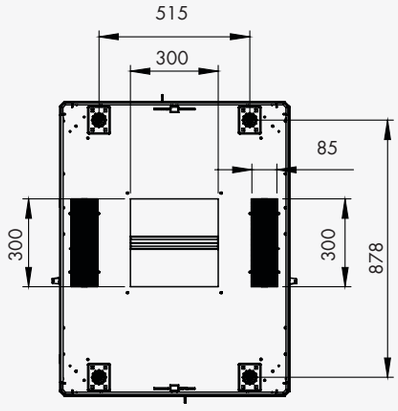


Exploded view

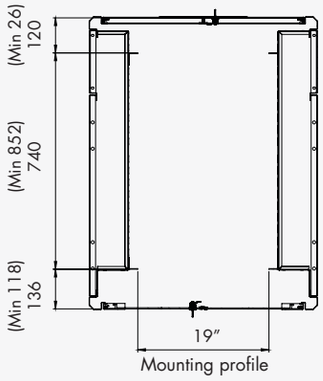
Universal Line JUMBO cabinets 19" 800 x 1000 mm

Part number	Product definition (mm)	U Size	Width: overall (mm)	Depth: overall (mm)	Depth: max mounting profile (mm)	Height: vertical mounting profile (mm)	Height: without levelling feet (mm)	Height: with levelling feet (mm)	Height: with casters (mm)
CKR42U8100	42U 800X1000	42	780	1000	740	1889	2021	2036	2101
CKR47U8100	47U 800X1000	47	780	1000	740	2110	2244	2259	2324

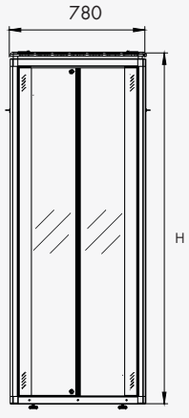
* F09 and R06 are the standard doors.
** R04 can be usable as front door as well.
*** F12 can be usable as rear door as well.



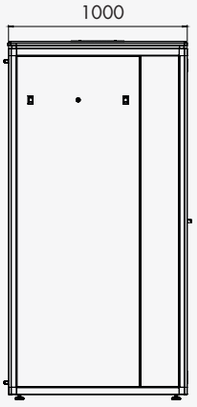
Bottom view



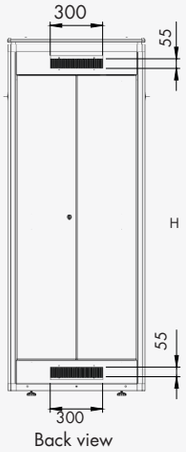
Mounting profile



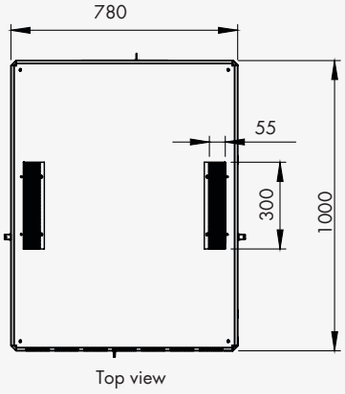
Front view



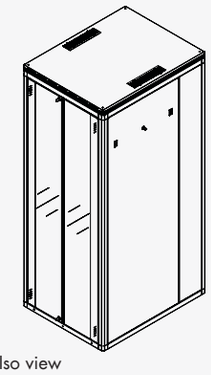
Side view



Back view

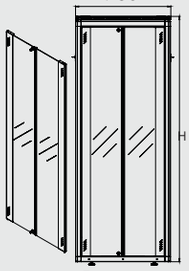


Top view


Iso view

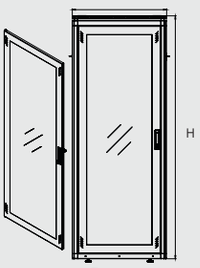
H= Enclosure height

F09*



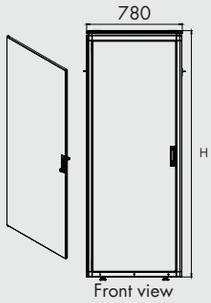
Front view

F10



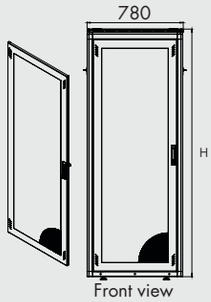
Front view

F11



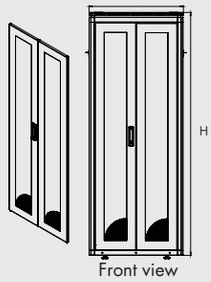
Front view

F12



Front view

R04



Front view

* F09 is the standard front door.

Universal Line JUMBO

TECHNICAL SPECIFICATIONS

TESTS AND CERTIFICATIONS

Environment
EN61587-1 / 4.2, IEC60068-2, IEC60068-2-2, IEC60068-2-30, IEC60917 and IEC60297

Industrial environment
EN61587-1 / 4.3, IEC60068-2-42, IEC60068-2-43 and IEC60068-2-49, IEC60068-2-I, IEC60917 and IEC60297

Statical mechanical structure load test
EN61587-1 / 5.2.1, IEC60917 and IEC60297

Statical mechanical structure stability
EN61587-1 / 5.2.2, IEC60917 and IEC60297

Dynamic load, vibration and mechanical stroke
EN61587-1 / 5.3.1, EN61587- / 5.3.3, IEC60917, C60297, IEC62208

Grounding continuity
EN61587-1 / 6.2, IEC60917 and IEC60297

Fire and flame resistance
EN61587-1 / 6.3, IEC60917 and IEC60297

Corrosion
ISO9227 and ASTM B 117-85, IEC60917 and IEC60297

IP protection degree
IP20 accordingly EN61587-1 / 6.4, IEC60529, IEC60917 and IEC60297

Transportation
ETS300019-1-2 Class2.3

Storage
ETS300019-1-1 Class1.2

Security
EN60950_LVD

PURCHASED PRODUCT CERTIFICATIONS

Sheet steel
DIN EN 10130 – 99 Ereğli DC-01 6112 , 7122, RoHS

Electrostatic powder coating
ISO 9001, ISO 2178, ISO 2813, ISO 6272, ISO 8130-5, ISO 8130-3, RoHS

Fan
ISO 9001, CE (89/336/EEC EMC, 73/23/EEC LVD), RoHS

Glass
ISO 9001, EN 12150 – 1: 2000 tempered and secure

Fixings
DIN 7985, DIN 965, DIN 7981, DIN 934, DIN 985, DIN 933, RoHS

Castors
TS EN 12530, TS EN 12532, RoHS

Lock
DIN 1743, DIN 53571, RoHS

KEY FEATURES

Main profile (framework) has a structure that would increase mechanical resistance with aesthetic appearance, folded with an angle of 45 degree and consist of 7 bended surfaces for each profile. Totally 28 fold design creates the framework stability. Tested to provide (x, y, z) axis resistance that meets EN 61587-1 / 5.2.1 and 5.2.2, and external impact resistance that meets EN 61587-1 / 5.3.3.

Bottom and upper case have a structure that would increase resistance and strength of cabinet by mono block bended, welded and profile-interlocking design. Profiles are manufactured to interlock bottom and upper case with screws. Cable access at bottom case has a sliding type blanking access plate that would block dust inlet.

A rubber edge on the cable access plate and thanks to its sliding structure, it is capable of fixing the cables and allowing the cables to be placed into cabinet without any damage. Additionally both on top and bottom, there are brushed cable entry plates for mass cabling needs.

Rear door is manufactured with 2 cable access part top/bottom with brush.

Rear door in standard configuration is double opening door which is removable and lockable. For options please see the related drawing and technical charts in pages 33-43-49-55.

Side panels have a structure that can be opened and removed with slam latch and key. It is lockable and removable.

Front doors are with framed glass structure which is tempered, anti-static, secure and smoked glass (4 mm thickness) with decorative stripe, according to EN 12150-1:2000 standard. Front door in standard configuration has left and right metal frame structure with high density polyurethane adhesive and screw and double openning.

For options please see the related drawing and technical charts in pages 33-43-49-55.

Front door is double openning door which can be opened up to 135 degrees, removable and lockable with handle type locking unit.

Pagoda style vented top panel with a dedicated space of ventilation fan module system allows easy installation of max. 4 fans.

19"(inch) mounting angles (2ea. in front and 2ea. in rear) are part of cabinet interior configuration and adjustable in depth.

Baying is possible for side by side applications. Levelling feet is standard in shipping configuration. The cabinet meets EN 61587-1, IEC 60917, IEC 60297 standards, RoHS compliancy, Gost and TSE certified.

Cabinets are manufactured in our factory which has ISO 9001: 2008 Quality Assurance System and our responsibility for enviroment with ISO 14001: 2004 Environmental Management System.

Custom number
85380000 / 85381000 / 853710990019
Shipping structure
Assembled
Mounting type
Stand alone
Load carrying capacity (kg)
600
Certification on product
TSE, Gost
Surface finish
Electrostatic powder coated c/with surface treatment , 80 +/ - 5 micron paint thickness and tested according to IEC 60068-2-1,2-2, 2-30,2-42, 2-43, 2-49, 2-11

STANDARD PRODUCT

Standard colour
RAL 7035, RAL 9005
Standard stripe colour
Orange
Baying
Possible with baying kit for side by side applications without side panels
IP protection standard
IP20

FRONT DOOR

Shatterproof glass with left and right metal frame
Glass
4 mm full-lenght smoked, shatterproof, tempered, secure
Front door construction
Double opening door with handled lock
Front door lock
Handle type, single point locking
Adhesive material
High density polyurethane DIN 53479, DIN 53505
Hinge system
Spring loaded
Door opening angle and swapping
135 degree

SIDE PANEL

Solid metal, 1,2 mm left and right (2ea.)
Side panel construction
Lockable, removable c/with slam latches and lock
Side panel lock
Barrel type lock unit, single point + Slam latch (2ea)

REAR DOOR

Solid metal, 1,2 mm
Rear door construction
Double door opening, lockable, removable
Rear door lock
Barrel type lock unit, single point
Hinge system
Spring loaded
Door opening angle and swapping
135 degree

TOP COVER

Solid metal 1,2 mm
Top cover construction
Pagoda type, allow efficient air removal

FRAMEWORK

Top and bottom base units
Solid metal 1,5 mm
Top and bottom base units construction
Completely welded corner socket system
Uprights
Solid metal, 1,5 mm
Uprights construction
Tightly fixed into top and bottom base units 7 times folded

INTERIOR PARTS

19" mounting angles
Solid metal, 1,5 mm
3 times folded 800x600, 800x800 / 1 time folded for 800x1000
"U" marking available
2ea. at rear, 2ea. at front
Pre-configured as 19" (482,6 mm)
Free space to front door approx. 90 to 100 mm depends on depth versions.
Zinc plated, passivated, 8-12 micron.
Adjustable in depth
Omega type support rails in depth
Solid metal, 1,5 mm
3 times folded
2 ea. at left , 2 ea. at right up to 26U
3 ea. at left , 3 ea. at right 26U and higher

OPTIONS

For the front and rear door options, please look at pages 33-43-49-55.

! For the CUSTOMIZED PRODUCTS rather than above options, please contact with sales department.

Universal Line JUMBO Accessories

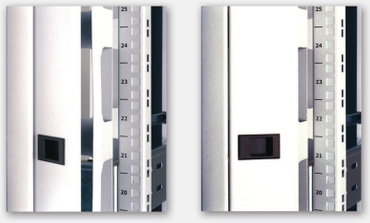
SPECIAL ACCESSORIES* FOR JUMBO

Teleskopic cable trunking
It is designed to protect and hide cable bundles coming from the ceiling. Since the height between ceiling and cabinet isn't known, it is manufactured as teleskopic to fit all dimensions. There is cover for it. When it is closed, provides very professional look.

Vertical cable management channels (left and right)
It is designed to manage large patch cable bundles in front of the cabinet. It is installed through the height of the cabinet, and each "U" dimension, there is a hole to pass horizontal patch cables on vertical axis. There is spring hinged cover in front of the vertical cable management panel integral with slam latch. The cover protect and hide all cable bundles. When it is closed, it looks really matter and provide professional look. Besides that, it reduces labour cost around %20 and save time.

Vertical cable management trunking
It is designed to carry large cable bundles through the vertical axis of the cabinet. From top to bottom, it is continuous with the height of cabinet. Bottom edge of the trunking fit into the cabinet bottom cable entry, top edge of the trunking fit into the cabinet top cable entry. It has holes for cable access for horizantal axis. It is punched in a shape to tie the cables. Since it has a sliding cover on the trunking, cable bundles are hidden and protected. When it is closed, it looks really matter and provide professional look.

*See accessories for product part numbers, definitions and contact with sales department.



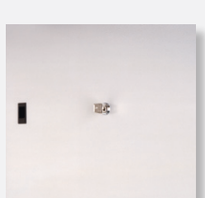
Professional cabling solutions with JUMBO
Left and right cable management panels hide and protect all networking cables that brings professional look after integration.

Double openning rear doors provide space saving between cabinet and wall.

UNIVERSAL LINE JUMBO FEATURES

Perforated, vented Pagoda-style top providing maximum protection against dust

Front door with integrated locking mechanism for added security
integral locking mechanism.



Side panel comes with snap closures and locks providing security while four-way access to the equipment is applicable.

Sliding access panel on the bottom for cable entry and a brush entry on the rear panel that can be positioned on the top or bottom

Universal Line PCcase free standing

600x800 mm - 36U

STANDARD DIMENSIONS:
Height: 36U
Width: 600 mm
Depth: 800 mm

COLOUR:
RAL 9005 black
RAL 7035 light grey

STANDARDS:
ISO 9001: 2008 Quality Management Sytems
ISO 14001: 2004 Environmental Management System
19" mounting to IEC 297-1
EN 61587-1 mechanical structures (cabinets for electronic equipments)
Overall cabinet dimensions to IEC 297-2

- 19"
- FITS YOUR DECORATION AND ENVIRONMENT
- SECURE AND STURDY
- EASY TO MAINTENANCE AND HIGH INNER VOLUME
- DUST PROOF
- AIR CIRCULATION WITH VENTED FILTERS

PCcase is ideal for office, factory, workshop, storage, store, gas stations and laboratories etc. as server housing. It protects your servers and devices against dust, humidity, hot/cold air but most important that against unauthorized peoples. Servers, all kind of PC's, monitors, keyboards, UPS's, switches and networking products can easily be placed in it.
Its ergonomy provides the keyboards are in hands level and monitor is at eye level.

FEATURES

PCCcase cabinets match all features defined for Universal Line as main construction.

It has 3 sections;

1st compartment: Screen section
11U space covered, not 19", equipped with a fixed shelf which should be base for the screen unit).

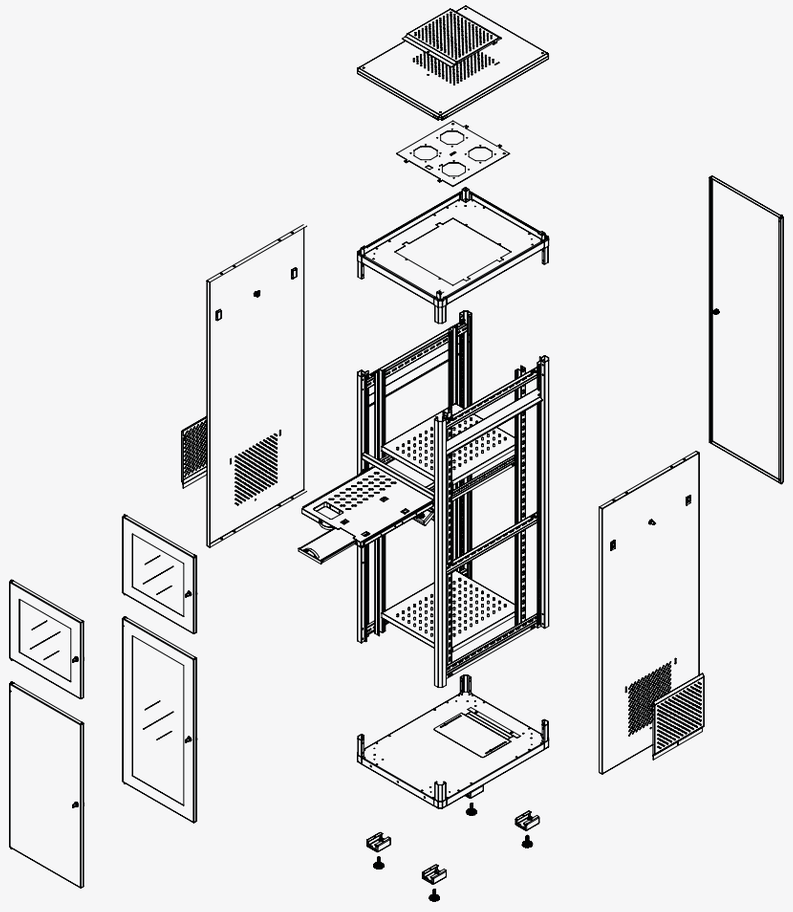
2nd Compartment: Keyboard section
3U space covered (not 19", equipped with a specific sliding shelf integrated with mouse housing and platform).

3rd Compartment: Device section
19" 22U usable (19", 22U rail that is possible to use all standart accessories to mount all kind of devices printers, UPS, server or any LAN/WAN devices...)

All compartments are lockable.
Both side doors are lockable, removable, and openable.
Side doors have filtered and vented air circulation trays that allow air circulation or air entry.
It is possible to use together with cooling fans and also have filtered and vented tray on top that allow air circulation.

Bottom section have two door options:
Glass door or solid metal door.

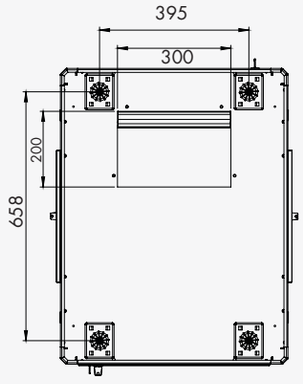
Universal Line PCcase



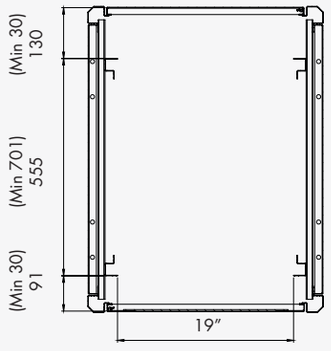
Exploded view

Universal Line PCcase cabinets 19" 600 x 800 mm

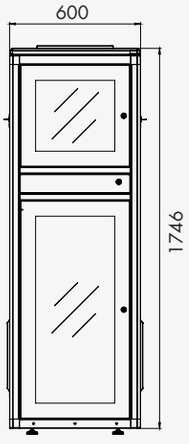
Part number	Product definition (mm)	U Size	Width: overall (mm)	Depth: overall (mm)	Depth: max mounting profile (mm)	Height: vertical mounting profile (mm)	Height: without levelling feet (mm)	Height: with levelling feet (mm)	Height: with casters (mm)
PCCASE36	36U 600x800 mm PCcase, glass door section at bottom	36	600	780	555	1603	1744	1759	1824
PCCASE36M	36U 600x800 mm PCcase, metal door section at bottom								



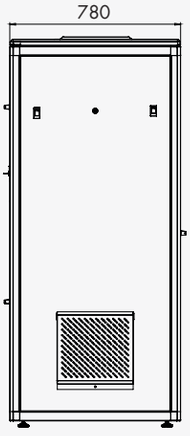
Bottom view



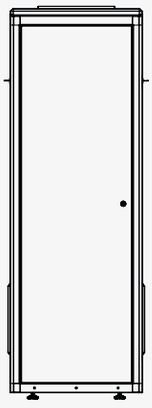
Mounting profile



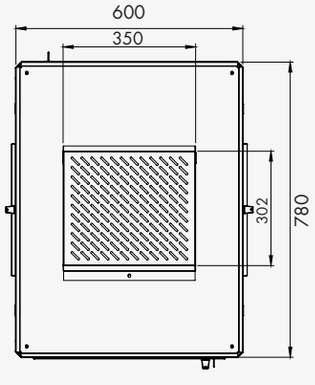
Front view



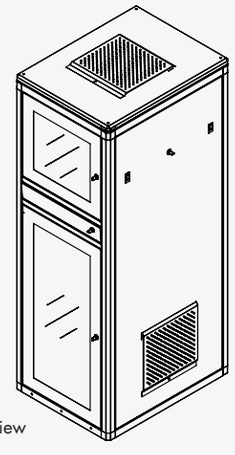
Side view



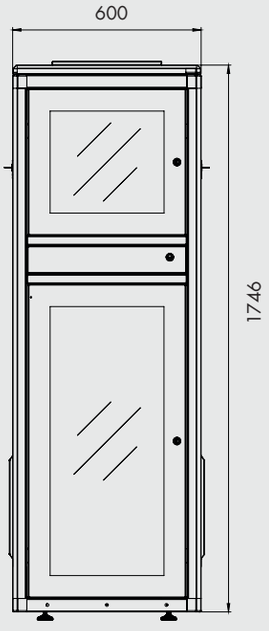
Back view



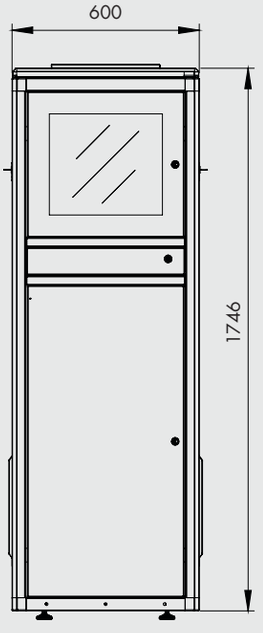
Top view



Iso view



Front view with glass door



Front view with metal door

Universal Line free standing accessories

FREQUENTLY USED ACCESSORIES SELECTION TABLE FOR Universal Line

Estap has a wide range of accessories: Fixed shelves, heavy duty fixed shelves, sliding shelves, fans, cooling units, vertical cable managements, cable rings, organisers, trays, plinth and so on...

* See the other accessories and part number definitions at the pages 173-213.

* Please mention colour choice in your orders. M01=RAL 9005 black and M02= RAL 7035 light grey

Frequently used accessories selection table

Universal Line / Shelves part numbers	**Enclosure Sizes (mm)**						
	PCcase	**600x600**	**600x800**	**600x1000**	**800x600**	**800x800**	**800x1000**
Fixed shelves	M44SBR80	M44SBR60	M44SBR80	M44SBR100	M44SBR60	M44SBR80	M44SBR100
Heavy duty fixed shelves	-	-	-	M55SR720	-	-	M55SR720
Sliding shelves	M44HRK80	M44HRK60	M44HRK80	-	M44HRK60	M44HRK80	-
Heavy duty sliding shelves	-	-	-	M55HR720	-	-	M55HR720

Universal Line / Fan units part numbers	**Enclosure Sizes (mm)**						
	PCcase	**600x600**	**600x800**	**600x1000**	**800x600**	**800x800**	**800x1000**
2 Fan unit with on/off switch	M44HV2F	M44HV2F	M44HV2F	M44HV2F	M44HV2F	M44HV2F	M44HV2F
4 Fan unit with on/off switch	M44HV4F	M44HV4F	M44HV4F	M44HV4F	M44HV4F	M44HV4F	M44HV4F
2 Fan unit with thermostat unit	M44HV2FT	M44HV2FT	M44HV2FT	M44HV2FT	M44HV2FT	M44HV2FT	M44HV2FT
4 Fan unit with thermostat unit	M44HV4FT	M44HV4FT	M44HV4FT	M44HV4FT	M44HV4FT	M44HV4FT	M44HV4FT

Universal Line / Cable management part numbers	**Enclosure Sizes (mm)**						
	PCcase	**600x600**	**600x800**	**600x1000**	**800x600**	**800x800**	**800x1000**
1U cable management panel (5 rings)	E44ORG1U	E44ORG1U	E44ORG1U	E44ORG1U	E44ORG1U	E44ORG1U	E44ORG1U
Vertical cable management	-	-	-	-	M44ORGxxU	M44ORGxxU	M44ORGxxU

Universal Line / PDU part numbers	**Enclosure Sizes (mm)**						
	PCcase	**600x600**	**600x800**	**600x1000**	**800x600**	**800x800**	**800x1000**
6 way PDU with 1x16A CCT breaker,1U	M446AL	M446AL	M446AL	M446AL	M446AL	M446AL	M446AL
9 way PDU with 1x16A CCTbreaker, 2U	M449ALC	M449ALC	M449ALC	M449ALC	M449ALC	M449ALC	M449ALC

Universal Line / Castor part numbers		**Enclosure Sizes (mm)**					
	PCcase	**600x600**	**600x800**	**600x1000**	**800x600**	**800x800**	**800x1000**
Castor group	M22TKGR1	M22TKGR1	M22TKGR1	M22TKGR1	M22TKGR1	M22TKGR1	M22TKGR1
Fixings/ cagenut, screw, washer (1set=20 pcs.)	KFS6X15	KFS6X15	KFS6X15	KFS6X15	KFS6X15	KFS6X15	KFS6X15